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MARCH 14, 1942

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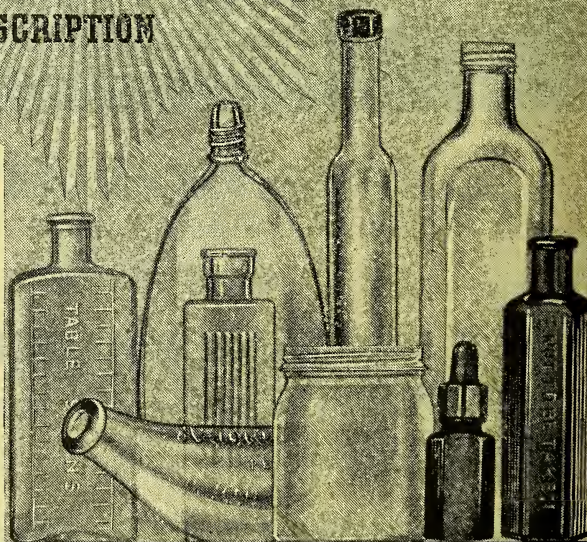
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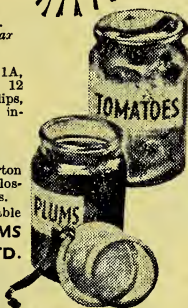
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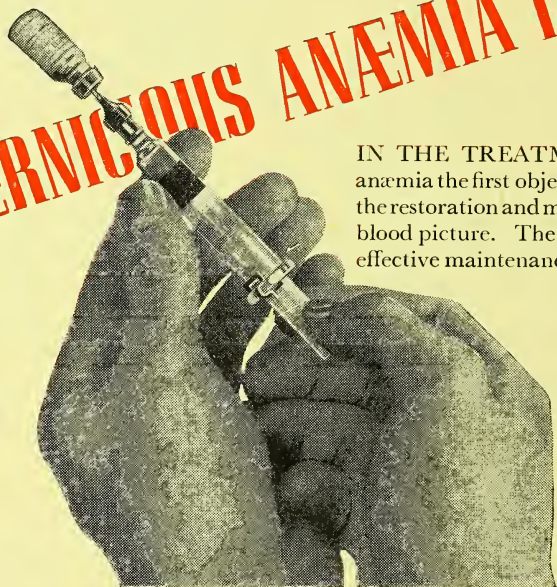
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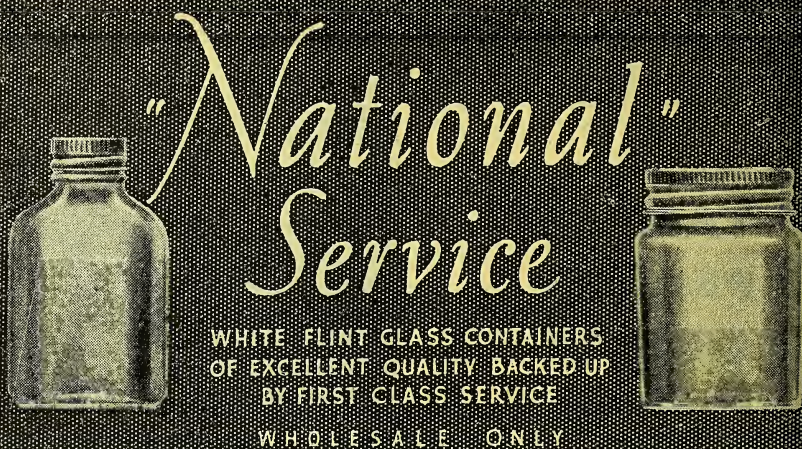
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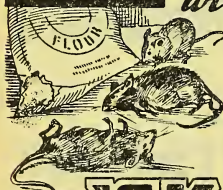
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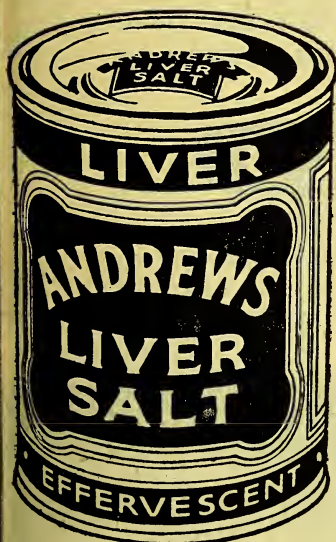
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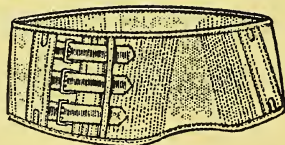
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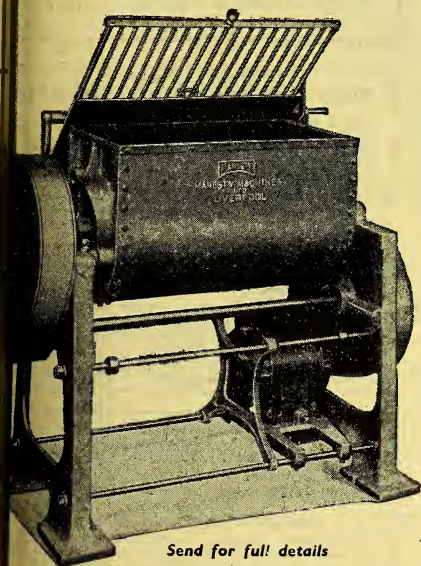
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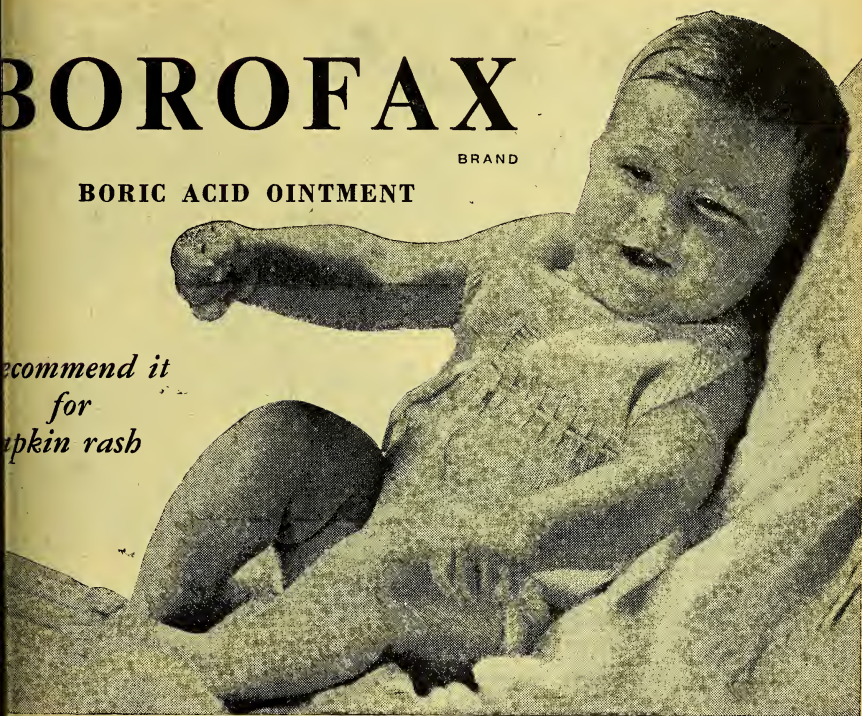
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NEWS OF THE WEEK

Wheat Gluten.—The Wheat Gluten (Licensing of Manufacturers) Order, which comes into force on March 16, prohibits except under licence the use of any wheat, wheat product or wheat by-product in the production of gluten for sale or use by way of trade. Manufacturers who wish to continue production should apply as soon as possible for a licence application form to the Cereal Products Division, M.O.F., Mount Stewart, Colwyn Bay.

Medicated Soaps.—A manufacturer of medicated soap who wishes to claim that his soap is used for medical purposes only, and should, therefore, be supplied coupon free, should apply to the Oils and Fats Division, Rothesay, Colwyn Bay, stating the exact composition of any soap for which exemption is claimed. The Oils and Fats Division, in conjunction with the Ministry of Health, will give careful consideration to all such applications. In the meantime all medicated soap remains subject to the provisions of the Rationing Order, and sales

must not be made to consumers except against coupons or buying permits.

Exemption from Key Industry Duty.—The Treasury has made an Order under section 10 (5) of the Finance Act, 1926, exempting from key industry duty acid quinolinic, acid succinic, and certain articles dutiable only by reason of containing dutiable articles as parts or ingredients. The Order is effective from March 11 until June 30.

K.I.D. and Import Duties Exemptions.—The Treasury has issued the Safeguarding of Industries (Exemption) (No. 2) Order, 1942, which exempts calcium bromide from Key Industry Duty, and the Import Duties (Exemptions) (No. 1) Order, 1942, which exempts zinc and calcium bromides and certain mixtures of calcium bromide and bromate from the general *ad valorem* duty. The Orders came into operation on March 11, and are published by H.M. Stationery Office as S.R. & O., Nos. 363 and 364.

Control of Flour Mixtures.—The Flour and Flour Mixtures (Licensing and Control) Order, which comes into force on March 30, prohibits, except under licence, the manufacture of flour mixtures and the packing of flour and flour mixtures in small containers for sale by retail. Persons who manufacture or pack not more than ten tons of flour or flour mixtures a year are exempted from the licensing requirements. Flour mixtures are defined as any article of food containing 25 per cent. or more of wheaten flour, except cooked manufactured products. They include self-raising flour and any mixtures of flour with sugar, saccharin or dulcin. Inquiries should be addressed to the Cereal Products Division, Mount Stewart, Colwyn Bay.

Export Licensing.—Under a Board of Trade Order (S.R. & O. 1942, No. 353, price 1d.), which becomes operative on March 24, licences will be required to export the following classes of goods to all destinations: Hair combs of non-precious metal, lead acetate and sodium acetate. The existing licensing requirements with respect to (a) bristles of the pig, hog or boar, and (b) preparations of iodides (inorganic), iodine, iodoform and iodoxyl are superseded by the provisions that licences will in future, be required to export the following: (a) Bristles of the pig, hog or boar, whether dressed or not, including knots, and; (b) Iodine compounds and preparations containing iodine or iodine compounds not specified elsewhere in the Schedule of Controlled Goods.

Observance of Labelling Provisions.—The Pharmaceutical Society's Council finds it necessary to draw the attention of authorised sellers of poisons to the need for care in observing the provisions of the Pharmacy and Poisons Act, 1933, governing the labelling of poisons. Attention is directed to the following matters: Manner of labelling containers; labelling of the name of the poison; labelling of particulars as to the proportion of the poison; indication of the character of the poison; name of the seller and address of premises. Authorised sellers of poisons are asked to review their methods of dealing with labelling requirements with these points in mind. It will be found a convenient time to correct faults in labels when these are being reprinted to comply with the provisions of the Pharmacy and Medicines Act, 1941, relating to disclosure of formulas, that come into operation on July 1, 1942.

Purchase Tax.—The following decisions regarding the liability to tax of certain articles are published as supplementary to those already given in Notice No. 78. Class 19. *Substances used in the preparation of beverages.*—It has been decided that capsicin (oleoresin of capsicum), gingerin (oleoresin of ginger) and essence of ginger will not be regarded as chargeable drugs unless they are sold put up for medicinal use. Capsicin water-soluble is not chargeable. Drugs which fall within Class 19—e.g. caffeine, calcium glycerophosphate, and quinine and its salts—are chargeable in all cases whether for use in the manufacture of beverages or otherwise.

Exchange of Scientific Information.—A conference aimed at increasing the exchange of scientific information between Britain and the Soviet Union was opened in London on March 9. Sir John Russell (adviser to Soviet relations branch, Ministry of Information) was in the chair and the Parliamentary Secretary to the Ministry of Information (Mr. Ernest Thurtle, M.P.) opened the conference. Some sixty scientific organisations and learned societies of Great Britain sent representatives, and it was decided to set up a standing committee to assist the Ministry of Information in this work and to act as a clearing house between organisations in Great Britain and their opposite numbers in the U.S.S.R. A representative of the Soviet Government is to be invited to join the committee.

Pharmacists and Deferment.—Many pharmacists are now receiving the Ministry of Labour notice advising them of the date on which they become de-reserved. Owing to the amount of misinterpretation which appears to have been put on these notifications it is pointed out that the receipt of such a notice does not mean that the persons concerned will necessarily be immediately conscripted for the Forces. It should be remembered that they are still entitled to be considered for deferment by the Central Pharmaceutical War Committee. The Ministry of Labour has recently been considering the position of pharmaceutical students who intend to complete the course of study for the Ph.C. qualification but who first take the C. and I. qualification at the end of the second year. The Ministry is inclined to the view that once a student has a registrable qualification he ceases to be a student and therefore is a pharmacist and as such is liable for military service. It is understood that the Pharmaceutical Society has put the matter before

the Ministry of Health with the suggestion that persons taking the Ph.C. qualification be regarded as students throughout the three years' course, as a number of such persons are, after receiving this qualification, being absorbed by the Ministry of Supply as junior experimental officers in factories and laboratories. The Ministry of Health is understood to be discussing the matter with the Ministry of Labour.

Thames Valley Pharmacists' Association;

—Proposals for reorganising the Chemists' Friends movement were discussed at a meeting of the Association held on March 5. The president of the Association (Mr. W. Griffiths) was in the chair and over thirty members were present, the majority of whom contributed to the discussion. The secretary (Mr. Norman Dewey) pointed out that the time was opportune for revising the C.F. scheme before the original agreement expired, but he questioned whether it was worth while to make any alteration until after the war. It might be well to wait and see if the aftermath of the war made any change in pharmacy. All experience showed, he said, that the pharmacist could always sell his own products, and he urged that while there was time all efforts should be made to place pharmacy in the position it should occupy as the scientific link between the doctor and his patient. The committee had discussed this matter, and their suggestions were placed before the meeting *seriatim*. It was unanimously agreed that the C.F. scheme was necessary to pharmacy, but it was recommended that the Council should consist of 50 per cent. members of the retail trade, that the company chemists should be invited to nominate a member, and that the remainder should be composed of manufacturers and wholesalers—the chairman to be a retail chemist and to have the casting vote. It was further suggested that the C.F. Council should establish an examining body to pass products for addition to the list, and that this body should issue a seal to be affixed to every genuine C.F. article. As regards penalties, it was agreed that penalty clauses should be created for manufacturers and wholesalers as well as for retailers in order to enforce discipline on all contracting parties; and that C.F. goods should be withheld from all chemists who refrained from signing the agreement. In the general discussion it was emphasised that it would be unwise to try to keep manufacturers and wholesalers off the Council; the endeavour should

be to keep C.F. goods in the ordinary channels of distribution. It was likewise considered necessary that there should be powers to prevent proprietary manufacturers from bringing out lines similar to those on the C.F. List for sales to other trades under a slightly different pack.

Association of Pharmaceutical Employees.

—At the eighth annual meeting of the London Division, Association of Pharmaceutical Employees, Mr. B. A. Williams, M.P.S. (chairman), said the meeting demonstrated the stability and permanence of the organisation. Mr. John M. Allen, J.P. (joint secretary) stated that London membership during the preceding year had almost doubled. A report on the professional side of the Association's work was presented by Mr. W. S. Benjamin, M.P.S. (joint secretary). In the ensuing discussion on policy the Association's agreement with Timothy Whites & Taylors, Ltd., and its decisions to oppose postponement of the Council election and to nominate three A.P.E. candidates, were enthusiastically welcomed. Messrs. Williams and Benjamin were re-elected *Chairman* and *Joint Secretary*, and Mr. M. H. German, M.P.S., was elected *Minute Secretary*.

Birkenhead Central Pharmacy Proposed.

—The suggestion that a central pharmacy should be operated in the interests of Birkenhead chemists was made by Mr. F. Haworth to the Birkenhead and Wirral Pharmacists' Association. The committee favours the suggestion. The idea is to form a small limited company to operate a dispensary that would undertake dispensing on Sundays and Thursdays when the shops were closed; it would be staffed by local chemists according to rota. About twenty-five chemists would probably be eligible to participate, so that it ought not to be difficult to meet the initial outlay of about £250 required to cover the cost of stock, fittings, etc. A problem in regard to National Health Insurance might have to be overcome, but it was proposed to raise the question at the next meeting of the Pharmaceutical Committee. Mr. Haworth contended, at a recent meeting of the local Association, that the saving on overheads and personnel by chemists' shops not opened on the two days would be sufficient to meet the expenses of the central dispensary. If medicines were wanted urgently he was sure that people who would go to the chemist's shop would just as readily go to the central establishment. Members of the Association are being asked for their views.

TOPICAL REFLECTIONS

Extending Control

As in the war of 1914-18, official control is being extended almost week by week: several pages of last week's *C. & D.* (amounting to nearly half the issue) contain indications of the comprehensive scope of this control, not only in the British Empire but also in the United States. Medicaments, toilet preparations, containers, the export trade—these and other interests are increasingly being brought under regulation, usually intricate and sometimes harassing. Your first editorial article (p. 285) is a convincing exposition of the difficulties imposed in an important class of cases by the provisions of the Prices of Goods Act, and the conclusions you draw follow logically. The present licensing, with its concomitant formalities, is in principle necessary as a means towards winning the war in the shortest possible time; but it should be the duty of established trade organisations to take what measures are practicable to forestall any hardening of war-time control into a permanent peace-time system. In particular, the threefold interests of pharmacy and the associated manufacturing and wholesale industries should be watched by competent representatives with an eye to the transition by way of decontrol. A long-range and a short-range policy in this matter are entirely compatible with each other.

As of Old

Such troubles are not new. Many suggestions on the public administration of commerce will be found in the *Laws of Plato*, a book written in old age and less attractive in form than the earlier dialogues of the same author. His remarks on retail trading, briefly touched upon in the eighth Book and more fully in the eleventh, cover a considerable part of the field even if we apply present standards, though allowance must be made for the postulate that Plato's model city or city-state was to comprise 5,040 families and no more. He negatives the then current idea that retail trade was a harmful calling; on the contrary, he describes as a benefactor the man who imposes equality and measure on the inequalities of goods. The basic difficulty, as he sees it, is that men are rarely endowed by nature with moderation: their desires are unbounded, and they prefer gain without limit. So it may be necessary to compel some of the best men,

and even of the best women, to carry retail trade for a time. Where excessive prices are charged, the legislator ought always to be devising a remedy. There should be as few retail traders as possible and these should never be landowners but always metics (aliens with limited civil rights) or strangers. The guardians of the law should consult with men who have experience of all kinds of retail trade should consider what amount of net profit will be moderate, and should fix in writing and strictly maintain the correct percentage. There are hints, however, in this description of a model community not intended to be taken too literally. I cannot say the same of statutory rules and orders in 1942.

Lost Time

The Industrial Health Research Board and the Medical Research Council have done useful work over a substantial period, even if its findings have occasionally seemed inconclusive; and your remarks on investigation into lost time and other waste of labour (p. 286) are helpful. The Board has long since decided that prolonged strain in work is detrimental to output: related cause of diminishing production repetitive monotony, as a report published thirteen years ago (*C. & D.*, 1929, I, 60) shows. The main point of the present "Emergency Report" is, no doubt, the effect of war conditions as an intensification of factors already studied. Employers and employees not engaged in producing weapons or munitions may still learn something from a detailed survey of this kind. After all the Government inspectors can do the relations between the two parties in industrial enterprise need to be kept in good shape. It is satisfactory to read large-scale employers who are helping their workpeople in spreading the burden of the income tax which now falls on some of them for the first time: practical assistance of this kind is worth a good deal of theorising. Income tax for small wage-earners has probably come to stay. It is, in a wide sense of the word, democratic, and the sooner all and sundry accustom themselves to it the better. This, perhaps, is the keynote of an income-tax "quiz" that has recently been issued by the Government for wage-earners. A Victorian hint that income-tax might be abolished seems remote from reality today.

Xrayser

COMPANY NEWS

R. CARVER & Co., LTD. (P.C.).—Capital £100. Objects: To carry on business as manufacturers of and dealers in germicides, insecticides, cattle sprays, etc. Michael C. Carver, director. R.O.: Bristol House, 20 Holborn Viaduct, London, E.C.1.

WEST HERTS LABORATORIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in dental plant, materials and equipment, manufacturers of and dealers in artificial teeth, eyes, etc. R.O.: 58 High Street, Watford.

MONOPACK DISTRIBUTORS, LTD. (P.C.).—Capital £10,000. Objects: To carry on business as manufacturers, producers of and dealers in cameras, photographic apparatus and materials, etc. First directors not named. Solicitors: Clifford, Lerner & Co., 11 Old Jewry, London, E.C.

FOOD YEAST Co., LTD. (P.C.).—Capital £100. Objects: To carry on business as producers and distributors of and dealers in a product known as Food Yeast, and in other products intended to improve the nutritive value of human or animal foods, etc. First directors to be appointed. Solicitors: Linklaters & Paines, 97 Cannon Street, London, E.C.

CROSS OF ENFIELD (MANUFACTURING), LTD. (P.C.).—Capital £100. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, toilet articles, etc. Arthur R. Cross, M.P.S., Fairmile, 1 Park View, Enfield, and Douglas G. Cross, 476 Hertford Road, Enfield Highway, Enfield Highway, Middlesex. R.O.: 476 Hertford Road, Enfield Highway, Middlesex.

W. R. STYLES (CHEMISTS), LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of chemists, drysalts, manufacturers of and dealers in chemical, optical, photographic and surgical instruments, appliances, etc. Herbert C. Styles, Orsehill, Bewdley, and Walter R. Styles, M.P.S., 61 Load Street, Bewdley, directors. R.O.: 61 Load Street, Bewdley, Worcs.

LAVANS & Co., LTD. (P.C.).—Capital £100. Objects: To carry on business as consulting, analytical, manufacturing, pharmaceutical and general chemists, herbapreparations, manufacturers of and dealers in toilet requisites, proprietary articles, etc. John H. Baron, M.P.S., 37 Gregory Avenue, and Winston Crumplehulme, M.P.S., 230 Halliwell Road, Bolton, directors. R.O.: Knowsley House, Knowsley Street, Bolton.

W. E. YOUNGMAN (HYTHE), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist and druggist carried on as W. E. Youngman by Evelwyn B. A. Youngman at The Pharmacy, New Road, Hythe, near Southampton. William C. Mickerson, 9 Claremont Road, Shirley, Southampton, and Evelwyn B. A. Youngman, The Pharmacy, New Road, Hythe, nr. Southampton, directors. Solicitors: Allan B. Lemon & Watts, Salisbury.

C. J. TAYLOR CHEMICALS (CARLISLE), LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of manufacturing chemists, druggists, drysalts, oil and colour men, importers and manufacturers of and dealers in industrial and other preparations, etc. Cecil J. Taylor, Ryedale, Pilch Lane East, Roby, Liverpool, and Anne Swinney, 35 Merton Crescent, Roby, Liverpool, directors. R.O.: 2 Chatsworth Square, Carlisle.

WHITMORE BAKER, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist carried on as Whitmore Baker by the representatives of Henry Whitmore Baker at 239 Elgin Avenue, and 5 Lauderdale Parade, Maida Vale, London, W.9. Henry Whitmore and Dulcie G. Whitmore Baker, both of San Remo, Elm Park Road, Pinner; and Arthur J. Hoadley, M.P.S., 48 West Towers, Pinner, directors. R.O.: 239 Elgin Avenue, Maida Vale, London, W.9.

PARTNERSHIP DISSOLVED.—The partnership between Alexander Campbell and Frederick Tyrrell, importers and distributors of vitamin oils, 10 Kylemore Avenue, Bolton, under the style of Campbell & Tyrrell, was dissolved on February 18.

APPOINTMENT OF TRUSTEE.—P. Phillips, 76 New Cavendish Street, London, W.1, has been appointed trustee for J. P. Brennan, chemist, 20 Westholme Gardens, Ruislip, Middlesex, lately carrying on business at B.B. Technical Laboratories, Bideford Road, Perivale, Middlesex.

DELETED FROM REGISTER.—Notice is given in "The London Gazette" (February 20, pp. 851-852) that the following companies have been struck off the Register of Companies under the Companies Act, 1929: Accessory Food Factors, Ltd.; De Marigny Cosmetics, Ltd.; Leeda Photographic Co., Ltd.; and Lianne Ware, Ltd.

LEGAL REPORTS

Failure to Register.—At Newcastle-on-Tyne police court recently, John H. Robson & Co., manufacturing chemists, Newburn, were charged with supplying goods without being registered, and with manufacturing toilet preparations without being registered. It was alleged that the company had made between £480 and £640 during the period concerned. Fines amounting to £60 were imposed on the company. John H. Robson, managing director, was fined £15, and three other directors, Dorothy H. Humble, S. E. Chadwick and D. M. MacPhail, £5 each. The defence was that the company was comparatively new and had thought that it came under the category of small manufacturers and need not register. When informed of the omission the company had at once applied for registration and had been accepted.

"No Sale."—At St. Helens, recently, Mrs. Harriet Clare, Exeter Street, was summoned for selling a disinfectant when not an authorised seller of poisons, and for selling the poison in a bottle not labelled with the name and address of the seller. Mr. J. Davies, for defendant, said the case rested on whether there was a sale of the bottle or not. The inspector who made the test purchase had taken the bottle from the counter where Mrs. Clare had placed it and had not paid for it. Mrs. Clare was quite aware that she had to enter her name and address on the label, and she commented on this when she saw the inspector preparing to pour the disinfectant into the analyst's bottles. There had not been a sale, simply a request by the inspector for a bottle of disinfectant, and he had taken the bottle from the counter. The magistrates found there had been "no appropriation" of the bottle to the inspector. Both summonses were dismissed.

Limitation of Supplies Prosecutions.—At Cambridge, on March 6, Armstrongs (Chemists), Ltd., 54 Burleigh Street, were fined £300, and the managing director, Reginald Edwin Armstrong, £200, for offences against the Limitation of Supplies Order. It was stated that over £14,164 worth of perfumery and toilet preparations had been sold, whereas the quota should have been £123. For the defence it was pleaded that the regulations had been unwittingly transgressed and without any attempt at concealment.

At Guildhall, London, on March 9, Woodlands (Chemists), Ltd., Salisbury

House, E.C.2, were summoned for supplying controlled goods in excess of quota. Harry Meyer Levin, Cricklewood; Bernard Aaron Arnold, Melrose Avenue, N.W.; William Henry Johnstone, Netherleigh, Woking; and John Keall, Chartfield Avenue, Putney, directors of the company, were also defendants. For the prosecution it was stated that this company had exceeded its quota by £28,338, and that this had been a deliberate contravention. Mr. Keall, chairman of directors, said he had no knowledge of the sales of the company. He knew nothing about quota or restrictions. The magistrate (Sir Harry Twyford): "It is a most extraordinary thing to hear the chairman of a company say that as regards its business dealings he has no knowledge whatever of what goes on behind the scenes. If this company has, in fact, committed any offence, the directors cannot exonerate themselves by going into the box and saying that they knew nothing about their own company's business." He said this was a case that required consideration. He would give his decision on March 12.

INSURANCE ACT DISPENSING

Liverpool.—The Insurance Committee on March 6 fixed the closing hour for chemists' shops in the city at 6.30 p.m. for the period March to September.

Lanarkshire.—The number of insured persons entitled to medical benefit at January 1 showed a slight decrease from that at October 1, 1941. The proposal of a co-operative society to discontinue opening on Sundays between 2 and 4 p.m. at three of their branches has been agreed to on the understanding that the approval is of a temporary nature, and that the question will be reconsidered if any difficulty is experienced by insured persons in obtaining necessary drugs. In a letter submitted to the medical benefit subcommittee a doctor stated that he and his partner had been compelled to change their consulting rooms, and the only accommodation which they had been able to procure was in the house of a chemist. Having regard to the explanation submitted by the doctor that, while the chemist's house was next door to his shop, the patients would not require to enter or leave by the shop, it was decided to agree to the alteration as a temporary expedient.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Council of the Pharmaceutical Society at Derby on March 3 and 4 was attended by the president (Mr. W. Deacon), the vice-president (Mr. W. S. Howells), the treasurer (Mr. W. Wallis), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Sir Walter Langdon-Town, Messrs. J. T. Appleton, C. Davis, H. Franklin, H. M. Hirst, J. Jack, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, M. Parry, E. S. Peck, P. F. Rowsell, C. Shaw, H. Skinner, F. G. Wells, B. A. Williams, F. C. Wilson and J. C. Young, with the secretary and registrar (Mr. N. Linstead).

Tuesday's Session

The following were among the matters dealt with at the meeting on March 3:—

Liaison Committee

The minutes of a meeting of the Liaison Committee of the Society and the National Pharmaceutical Union held on February 10 were received and the recommendations adopted. The matters discussed at the meeting concerned an emblem within the meaning of Section 3 (2) of the Pharmacy and Poisons Act, 1933; the evidence to be submitted to the Committee under the airmanship of Sir William Beveridge dealing with the social insurance and allied services; the observance of Section 12 of the Pharmacy and Medicines Act, 1941; and the Retail Trade Committee.

Improvement and Salaries

A resolution was received from the Sheffield Branch stating that if the movement of pharmacists from one appointment to another was controlled there should be a minimum salary prescribed for pharmacists so affected.

Wednesday's Proceedings

Obituary

Sympathetic reference was made by the President to the deaths of Dr. J. J. Hofman and Mr. William Kirkby.

Registration

THE REGISTRAR reported that during the last month forty-three persons had been registered as apprentices or students. Names of twenty-three pharmacists re-

moved prior to 1942 were restored to the register.

Plant Collection

A letter was received from the Acting Director of the Royal Botanic Gardens, Kew, acknowledging the co-operation of the staffs of pharmacy colleges in connexion with the organised collection on a national scale of native medicinal plants in short supply on account of the war. The success of the undertaking was in large measure due to their work, he stated, adding that it was hoped that in the coming season the quantity collected would be materially increased and many more heating and drying sheds would be fitted.

Annual Meeting

It was decided to hold the annual meeting on May 20 at 3 p.m.

Registrar's Report

Among the matters referred to in the registrar's report it was mentioned that considerable assistance had been given in cases in which businesses had suffered damage in air raids. There was an increase of 2,000 in the number of drug stores visited and a decrease of 3,000 in the number of pharmacies inspected, the principal reason for this being that two of the inspectors were on active service. A decline of 200 in apprentices or students was not altogether surprising. There was also a decrease of 386 in the number of premises, as against which there were eight more corporate bodies.

Education

The Education Committee reported that they had considered the suggestion that a charge should be made for the study notes and they adhered to their original decision for the reason, among others, that the notes were gratuitously prepared by experts with the sole object of assisting members of the Society who had become prisoners of war. They endorsed the following recommendation of the Pharmacuticals and Forensic Pharmacy Panel of the Board of Examiners for England and Wales: "That the number of questions in the forensic pharmacy paper of the Chemist and Druggist Qualifying examination be eight and the paper be divided into two

parts, each part containing four questions, the candidate to be required to attempt all four of Part 1 and any two of Part 2."—The report was accepted.

Orphans

The Benevolent Fund Committee had received reports concerning two boys who were being maintained by the Fund and the Orphan Fund at the London Orphan School, and they had directed that a letter of congratulation be sent to each, together with a fountain pen for each provided by Mr. Knox Mawer.

Organisation

From the report of the Organisation Committee it appeared that the total amount of grants paid to branches in respect of the 1941-42 session was £1,087. The Committee expressed appreciation of the continued co-operation of the branches in effecting a saving of some £1,300 in branch administration during the year.

Poisons Rules

On the recommendation of the Law Committee it was agreed that the Poisons Board should be asked to consider exempting sulphonamide ointments and dressings from the requirements of the Fourth Schedule to the Poisons Rules.

Public Services

In their minutes the Public Services Committee stated that in reply to the Society's letter urging that the distribution of vitamin preparations should be restricted to pharmacists, the Ministry of Food had pointed out that the present scheme was of an experimental nature ending on March 31, and that a revised scheme would probably be brought into force on April 1. The details had not yet been settled and the Society's suggestion would be carefully borne in mind when the method of distribution under the new scheme was being considered.—The United Kingdom Council of the International Hospital Association had asked for a donation to a fund to enable the Council to continue its activities, particularly with a view of preparing plans for dealing with the special problems which would face hospitals at the end of the war. The Committee recommended that three guineas be subscribed and this was adopted.

Extra Pharmacopœia

It was reported to the Publications Committee that all orders for the Extra Pharmacopœia had been completed and that new ones could be dealt with as received

so long as copies remained. There were 1,600 copies in hand. Warned that a reprint of 5,000 would be required, the printers stated that they were unable to obtain a licence for the paper until they could return their stock as *nil*. The situation was being considered by the Committee in the light of the difficulties arising from the printers being unable to commence reprinting before exhaustion of existing stock.

War Aid

Presenting the report of the War Aid Committee, the PRESIDENT said he was gratified at the continued excellent response to his appeal. The total of the Fund as February 28 was £21,645, received from over 12,500 contributors, and the amount expended in grants was £1,321. The National Association of Women Pharmacists had sent a further donation of £4 making a total of £90 for the year.

Position of Women Pharmacists

Included in the report of the Central Pharmaceutical Committee was some information as to the position of women pharmacists, dispensers, pharmacy students and drug hands under the National Service Acts. The Ministry of Health had stated that they could be regarded as reserve under the Acts in the same way as they were under the Industrial Employment Order. The SECRETARY intimated to the Committee that negotiations were proceeding with a view to extending the agreement made between the Ministry of Labour and the Committee with regard to the retention in pharmacy of women drug hands registering under the Industrial Employment Order to those classes not becoming liable to call-up under the National Service Acts. It was stated that a verbal assurance had been given by the Ministry that there would probably be no difficulty in extending the agreement to women registering for national service but that no instructions had as yet been issued to branch offices of the Ministry. Pending the completion of the arrangement employers were instructed to make application for the retention of the women drug-hands on Form N.S. 300 (W). Mr. Bliss informed the Committee that the Regional Boards had been instructed to reserve indefinitely women pharmacists, dispensers and pharmacy students and refer to District Pharmaceutical War Committees all doubtful cases of women engaged in the handling of drugs and medical and surgical appliances.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4-5 Queen's Square, London, W.C.1, on February 25, 1942, Mr. A. Dobson in the chair. The Executive received a memorandum on the evidence to be submitted by a deputation from the Union to the Retail Trades Committee on February 26, and the meeting asked the following members to form the deputation: Messrs. Bryan, Dobson, Hearle, Melhuish and Steinman, together with the secretary.

Secretary's Report

THE SECRETARY reported on the relationship between the N.P.U. and the Pharmaceutical Society, and discussed the "small manufacturer's" concession provided by the Limitation of Supplies (Toilet Preparations) Order. The meeting decided to accept an invitation by the Board of Trade to advise local Licensing Committees on questions of "ordinary trade practice" when considering applications for licences under the Location of Retail Businesses Order. A draft copy of the annual report and balance sheet of the Union was received. The secretary of the Drug Trade Council submitted a report upon the present position of that body, and stated that matters connected with the formation of the Council had been considered and approved by the annual meeting of the Wholesale Drug Trade Association held on February 18. A resolution pressing for increased remuneration for National Health Insurance discharging was received from the Wiltshire Pharmaceutical Committee, and the Old-n Branch, N.P.U., submitted a resolution urging the Executive to demand from the Board of Trade a "square deal" for chemists.

Air-raid Assistance Fund

IN view of continued diminution of any action it was decided not to demand renewal subscriptions to the air-raid assistance fund during the June quarter unless there was a sudden change in the position. It was agreed to give notice to members of a quarter's free renewal, subject to revision each month.

War Distress Fund

THE SECRETARY of the War Distress Fund reported that subscriptions to the fund now totalled £18,076. Maintenance grants totalled £25 per week.

Chemists' Defence Association

The directors approved settlements effected by negotiation in five cases that had been left in the secretary's hands for attention. They included two claims for damage caused by leaking bottles, two arising out of personal injuries alleged to have been caused by medicines supplied, and one for damage caused by a cycling errand boy. THE SECRETARY reported that eleven claims under the third-party risk, and six under the indemnity benefit, remained outstanding. It had not been necessary to provide legal defence for any member during the month. The directors approved a draft report to be presented at the forty-first annual meeting of the Association on March 25.

Chemists' Friends Association Council

THE PRESIDENT, at a meeting of the C.F. Council on February 25, reported the receipt of a letter from Mr. Mallinson tendering his resignation as secretary of the C.F. Association. The president stated that it was with regret that he received this letter, but he understood that it was Mr. Mallinson's wish that he should be relieved from the office in order to be able to render greater service to the movement as a member of the Council, the N.P.U. Executive having appointed him as one of their representatives to replace Mr. A. Dobson, who had tendered his resignation. MR. MALLINSON amplified and confirmed the remarks of the president, and thanked members of the Council for the support and courtesy they had at all times extended to him during his period of office. The Council confirmed the president's acceptance of Mr. Mallinson's resignation as secretary, and appointed Mr. R. H. Kemp (assistant secretary) as his successor.

Applications for Inclusion in List

Three applications from manufacturers for the inclusion of their products on the Chemists' Friends list were considered. Applications were accepted from Chivers & Sons, Ltd., Histon, Cambridge, and J. T. Coats & Co., Ltd., 105-09 Broughton Street, Edinburgh. The Council authorised extension of C.F. manufacturers' agreements to cover Scotland without payment of an additional subscription by manufacturers concerned, provided the schedule to their agreement included one product only and that product had been introduced

specially to provide a national war-time need. The following modifications of existing C.F. agreements were also approved: Garlixa, added to the agreement with Wright, Layman & Umney, Ltd.; Medicepe bandages deleted from the agreement with Stanning Proprietaries.

Subcommittee on Multiples

A special subcommittee was appointed to consider in all its aspects the question whether steps should be taken to prevent the sale of C.F. products by retail from stores of the bazaar type that had registered their premises in accordance with the provisions of Section 12 of the Poisons and Pharmacy Act, 1933. The following were elected to the subcommittee: Messrs. Blackwell, Brook, Hearle, Mallinson, and Peck. Arrangements were made to provide detailed information in the form of a special report upon all new products offered for inclusion in the C.F. List.

A retail business that had been temporarily converted into a drug store owing to war conditions was authorised to receive supplies of C.F. goods for resale by retail. It was agreed that notices should be circulated to C.F. manufacturers from time to time giving information regarding new war-time orders and legislation affecting production.

PARLIAMENTARY NEWS

Medical Supplies in Chemists' Shops.—In reply to Sir T. Moore, on March 5, the joint Parliamentary Secretary to the Ministry of Supply (Mr. Peat) stated that the total quantity of essential medical supplies in the country was sufficient to meet national requirements and there was no evidence, so far as he was aware, of shortage in supplies to retail chemists. The question whether there was a shortage of common medical supplies right through the country was being gone into. His Department had been advised by the Ministry of Health and a society appointed by the Medical Research Association.

Small Traders' Difficulties.—Mr. De la Bère asked the President of the Board of Trade, on March 4, whether steps would be taken to secure the premises of small retail traders who had been compelled to go out of business as a result of the war, and whether money grants would be made to enable them to start again at the cessation of hostilities. Mr. Dalton stated in reply that the suggestion was being submitted

to the Retail Trade Committee, which was discussing with retail trade associations the best ways in which all classes of trade could meet their war-time difficulties. I could not say whether such financial assistance would prove a practical measure at the cessation of hostilities, but it had already been stated in the House that it would be contrary to the policy of the Government to grant compensation for public funds except where loss was due to direct enemy action.

On March 5, Sir T. Moore asked the President of the Board of Trade whether the Government would make arrangements that retail traders who were being forced out of business should be relieved of their contractual obligations so that they might have some hope of commercial survival. The reply, given by the Parliamentary Secretary (Captain Waterhouse) was that these and other problems were being discussed by the Retail Trade Committee with the leading trade associations, and that statement was possible until the Minister had received their recommendations. Captain Waterhouse also told Mr. Shinwell that he had asked whether the Minister appreciated the importance of preserving equity between those who were driven out of business because of the war without any compensation, and those who were allowed to remain in business and continue to make profits, and that the Government was fully aware of the need for maintaining equity wherever possible.

On the same day Mr. Hannah asked the Minister of Labour whether he was aware of the large number of useful one-man businesses that were being sacrificed to the war effort; and whether he would take steps that, so far as it could be done without sacrificing the interests of the Fighting Services, more consideration should be given to small shopkeepers. The reply was that following a promise given in the House during the course of debate on the National Service (No. 2) Bill, 1941, he had amended the National Service (Postponement Certificates) Regulations so as to abolish the limit of twelve months beyond which postponement certificates could not previously run.

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:—

HB/29. Almerscerin glycerin substitute.
GT/21. Sorbolene floor-sweeping compound.
BC/14. Syramol malt and syrup compound.

TRADE NOTES

Now in Large Size Only.—New terms for Andrews liver salt, which is now available in the large size only, are advertised on another page by Scott & Turner, Ltd., Andrews House, Newcastle-on-Tyne, 2.

Siccolam Prices.—The wholesale prices for Siccolam quoted in an advertisement by The British Drug Houses, Ltd., Graham Street, City Road, London, N.1 (*C. & D.*, March 7, p. 24), were exclusive of purchase tax, and not as stated.

Fruit-preserving Preparations.—Castle brand fruit-preserving solution (made to the Campden formula) is advertised in this issue by B. Salter & Son, 34 Castle Street, Shrewsbury. Chemists are advised to order now for summer delivery.

Vinolia Medicated Cream.—This product is now marketed as Unguentum Emolliens, and the Board of Trade has agreed that it shall be no longer classified as a cosmetic under the Limitation of Supplies Order. Supplies are now freely available to pharmacists from Vinolia, Ltd., Bebbington.

At Full Capacity after Fire.—Hough, Hoseason & Co., Ltd., Sun Buildings, Bridge Street, Manchester, 3, state that, following a recent fire at their premises, all departments are now working to full capacity, and that every effort is being made to improve supplies.

Hormone Preparations.—Roussel Laboratories, Ltd. (distributors: Antigen Laboratories, 95 Great Portland Street, London, W.1) announce that adequate supplies of all their hormone preparations are available, except Lutogyl Oral (corpus luteum hormone), which is discontinued.

Granulating Mixer.—Perfect performance of the operations of mixing, including manipulation of a moistened mass until it becomes of the right consistency to produce perfect granules, is claimed for the Manesty granulating mixer by Manesty Machines, Ltd., 5 Speke Hall Road, Liverpool, 19.

Subsidy for Rabbit-killing.—The Ministry of Agriculture has announced that it is repeating this year the 1941 subsidy scheme for gassing rabbits. Under this scheme, farmers can buy Cymag, the preparation issued for this purpose by Plant Protection, Ltd., Yalding, Kent, at half price. Chemists are advised to order stocks accordingly.

Oestrogenic Sedative.—Copies of a booklet "The Crisis in a Woman's Life" are available

to chemists, while supplies last, from the distributors of Menopax: Scott & Bowne, Ltd., Wexham Springs, Stoke Poges, Slough, Bucks. This preparation is described as an oestrogenic sedative for women in the forties, and it is pointed out elsewhere in this issue that supplies are unrestricted.

Anniversary Celebration.—On February 28 Calthorpe & Co., Leeds and Ossett,



Messrs. J. Denton and M. Calthorpe with some of the executives of M. Calthorpe & Co.

entertained over 100 employees to tea and theatre, in celebration of the first year's success in launching their non-alcoholic tonic wine, Vironita. Both the partners (Messrs. James Denton and Maurice Calthorpe) stressed that the remarkable growth of the business had come about through the merit of their goods and loyalty of the laboratory and works staff. Mr. Calthorpe said that whatever production plans he introduced the sales always kept a little ahead. He gave particulars of a new works that would be opened a month later, with considerably increased production. Always before the minds of himself and Mr. Denton were the comfort and welfare of employees, as well as the maintenance of their happy relations with the trade. Presentations were made by the staff to both Mr. Denton and Mr. Calthorpe.

Envelopes for Saccharin Tablets.—The announcement is made by W. B. Cartwright, Ltd., Rawdon, Leeds, that they have received from the printers a consignment—stated to be the final one—of envelopes and printed wrappers for saccharin tablets. These are available to chemists so long as they remain unsold. Terms are given elsewhere in this issue.

Orally Active Male Hormone.—Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, announce that Neo-hombreol (M), an orally active form of male hormone, will be available from April 1. The preparation will be issued in tablets containing 5 mgm. methyl testosterone, in boxes of twenty and 100. It is primarily intended for the treatment of cases showing deficiency of the testicular internal secretion, but is also suitable for the androgenic therapy of certain female cases.

Business Changes

MR. D. RICH has taken over the Blundellsands Branch (Cole's pharmacy) of Fairbairn's Pharmacies, Ltd.

BRITISH PLASTICS FEDERATION, LTD., are removing on March 20 to 47-48 Piccadilly, London, W.1. Telephone: Regent 4681-82.

PETERBOROUGH CO-OPERATIVE SOCIETY, LTD., have acquired the pharmacy of Swain's Chemists, Ltd., London Road, Peterborough.

MR. A. CLARK, M.P.S., Harpenden, has retired from the board of directors of Economic Utilities, Ltd., 56-58 Whitcomb Street, London, W.C.2, in order to concentrate attention on his pharmacy, of which the staff is depleted on account of war service.

Proprietary Articles Trade Association

Additions to Protected List.—*Liquifruta Laboratory.* Standard wholesale prices come into operation to the trade on April 1, as follows: *Liquifruta*, 1s. 2d., 10s. 6d. doz., tax 1s. 9d. per doz., inclusive retail price 1s. 4d.; 2s. 10½d., 26s. doz., tax 4s. 6d. per doz., i.r.p. 3s. 3d.; 4s. 9d., 42s. doz., tax 7s. per doz., i.r.p. 5s. 4d.

Organon Laboratories, Ltd. Menformon tablets, Oestrone (exempt from purchase tax). Prices on application.

Scott & Turner, Ltd. National rose-hip syrup, 6 oz., 1s. 9d., 15s. 9d. doz.

John Wyeth & Brother, Ltd. Rose-hip syrup, 1s. 9d., 15s. 9d. doz.

Alterations.—*John Bell, Hills & Lucas, Ltd.* Cherry malt and oil, Triad brand, 1 lb., 2s., 17s. 6d. doz. (tax 2s. 11d. per doz., i.r.p. 2s. 3d.; 2 lb., 3s. 9½d., 32s. 9d. doz., tax 5s. 5½d. per doz., i.r.p. 4s. 3d.; 4 lb., 7s. 1½d., 63s. 6d. doz. tax 10s. 7d. per doz., i.r.p. 8s.; 7 lb., 12s. 4d., 110s. 1½d. doz., tax 18s. 4½d. per doz., i.r.p. 13s. 10d. Usual display bonus of thirteen to dozen on three-doz. lots.

Crystal Products Co., Ltd. Outdoor Girl olive-oil beauty preparations. Face powder Gala junior size, 1s. 7d., 14s. 3d. doz. tax 4s. 9d. per doz., i.r.p. 2s. Gala size 3s., 27s. doz., tax 9s. per doz., i.r.p. 3s. 9d. Prices also apply to lipsticks (Gala junior Gala and Gala refills); dry rouge (Gala size); Cosmetique (Gala size); four purpose cream, (Gala junior and Gala sizes) Subject to usual quantity terms.

TRADE MARKS

(From "The Trade Marks Journal,"
February 11, 1942)

"KELTONE"; for all goods (5). By F. W. Hampshire & Co., Ltd., Sunnysdale Works Sinfen Lane, Derby. 617,190.

"CAL-A-VITE"; for tonic medicines (5). By Rayburn & Co., 24 Ridley Place, Newcastle upon-Tyne. 617,327.

"FIGARO"; for laxative preparations (5). By K. V. Hill, Harper Road, Northenden Cheshire. 617,356.

"LUXAN" and "LUXSIL"; for sanitary towels (5). By Henry Franc & Lauder, Ltd., Chepstow Street, Manchester. 617,371 and 617,410 (Associated.)

"VACULET"; for pharmaceutical, veterinary and sanitary substances (5). By Sharp & Dohme, Ltd., 4 Brocket Road, Hoddesdon Herts. 617,485.

Device of scales on oval frame with monogram "J S"; for photographic, cinematographic optical and scientific apparatus (excluding weighing appliances), (9). By Johnson & Sons, Manufacturing Chemists, Ltd., 335 Hendon Way, Hendon, N.W.4. 616,563 (Associated.)

"BYNOPAN"; for malt and malt extract (31). By Allen & Hanburys, Ltd., Plough Court 37 Lombard Street, London, E.C.3. 617,375 (Associated.)

(From "The Trade Marks Journal,"
February 18, 1942)

"TAKALASE"; for diastase for use in medicine and pharmacy (5). By Parke, Davis & Co., Foot of McDougall Avenue, Detroit, Michigan, U.S.A. 609,326 (Associated.)

"TAKALAX"; for diastase for use as a laxative (5). By Parke, Davis & Co., Foot of McDougall Avenue, Detroit, Michigan, U.S.A. 609,327 (Associated.)

"PYLKURATA"; for preparations for the treatment of piles (5). By Leslie Martyn, Ltd., 34 Dalston Lane, London, E.8. B615,774.

"HERPLEX"; for pharmaceutical preparations for external application (5). By Regulac Feeders, Ltd., 19 Electric Parade, Woodford, London, E.18. 616,807.

"ANDREX"; for medicated toilet paper, etc. (5). By St. Andrew Mills, Ltd., 34 St. Andrew Road, Walthamstow, London, E.17. 616,992 (Associated.)

PERSONALITIES

MR. V. H. FISCHER (Dodge & Olcott Co.) has been elected president of the Essential Oil Association of the United States.

DR. JOSEPH TAIT (resident secretary in Scotland of the Pharmaceutical Society of Great Britain) has been elected a Fellow of the Royal Society of Edinburgh.

MR. PERCY C. MAGNUS (president, Magnus, Mabee & Reynard, Inc., New York) has been elected president of the New York Board of Trade for the second time.

MR. C. H. CRAWSHAW, M.P.S., has been appointed chief gas-identification officer for Birkenhead. A number of local pharmacists are taking the warden's course with a view to becoming his auxiliaries.

MARRIAGES

BUTLER—MCAULIFFE.—At the Cathedral, Cork, recently, Robert Noel Butler, M.P.S.I., Dunmanway, to Celia McAuliffe, M.P.S.I.

Silver Wedding.—ADAM—KERR.—At Hope Mount, Craigpark, Dennistoun, Glasgow, on February 26, 1917, Duncan S. Adam, M.P.S., to Mary Kerr. Present address: 13 High Street, Chelmsford, Essex.

DEATHS

ABRAHAM.—At Ormskirk, on March 7, Mr. Alfred Clay Abraham, Ph.C., F.I.C., F.C.S., aged eighty-nine. Mr. Abraham was the son of the late Mr. John Abraham, one of the founders of Clay & Abraham, Ltd., manufacturing chemists, Liverpool. He was actively connected with the business for fifty-seven years, being managing director from 1911 until his retirement in 1928. Mr. Abraham studied at the University of Edinburgh under Sir Robert Christison, Professors Balfour, Crum-Brown and T. H. Huxley, and then took a further course of study at the laboratories of the Pharmaceutical Society under Professors Atfield, Redwood and Bentley, passing the Minor examination in 1876 and the Major in 1878. Election as a Fellow of the Institute of Chemistry followed in 1888. Mr. Abraham's early interest in practical pharmacy and chemistry is shown by his having published a paper before the age of twenty-one. From then onwards he published about forty papers, many of the earlier ones being read before the Liverpool Chemists' Association and the British

Pharmaceutical Conference. He served for several years on the Council of the Pharmaceutical Society, and on the British Pharmaceutical Conference Formulary Committee from its inception in 1886 until the work was taken over by the Society. He was secretary of the Liverpool Chemists' Association for three years, and served two years as its president. Mrs. Abraham predeceased him in 1930, and he is survived by two sons and two daughters, sixteen grandchildren and two great-grandchildren.

GIBSON.—At Summerhill, Dunmurry, Belfast, on March 1, Mr. Samuel Gibson, J.P., a former president of the Pharmaceutical Society of Northern Ireland, and also of the Chemists' and Druggists' Society of Ireland. Mr. Gibson succeeded his father in the drug business founded in Mill Street, Belfast, in 1883. At the age of twenty-four he gave evidence before a House of Lords Committee and played a prominent part in



Mr. Samuel Gibson, J.P.

the passing of the 1890 Act. He was a former member of the Board of Management of the Wholesale Merchants' Association and of the Belfast Chamber of Commerce. In 1908 he was made a magistrate of the City of Belfast. Mr. Gibson was one of the most successful stock raisers of Northern Ireland, his cattle winning many trophies at agricultural shows. He had a long association with the Royal Ulster Agricultural Society, being its oldest annual member. There was a large attendance at the funeral, the Pharmaceutical Society of Northern Ireland being represented by Messrs. H. F. Moore (vice-president), Charles Abernethy, and D. L. Kirkpatrick (secretary), and the Chemists' and Druggists' Society of Ireland by Mr. Fred Storey (president), and Mr. J. Macauley (secretary).

SHATTOCK.—On March 8, Mr. M. H. Shattock, Midlands and East Coast representative of C. R. Harker, Staggs & Morgan, Ltd., manufacturing chemists, London, E.1. Mr. Shattock recently took over this area, and his efforts on behalf of his principals and their customers have been much appreciated.



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Official organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Great Britain and of other Chemists' Societies in the Empire

VOL. CXXXVII MARCH 14, 1942 NO. 3240

It is a fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Overlapping in Retail Trade

POST-WAR reconstruction of business has been the keynote of quite a number of recently issued publications, the latest contributor to the discussions being a correspondent of "The Times" (March 7), who views with some apprehension what is described as the swift movement of economic conditions in trade and industry towards quasi-monopolistic forms. It is suggested that the State should evolve administrative machinery to prevent abuse of power by these modern "corporations." After contrasting the restrictions by licensing and registration in war-time with those imposed by cartels and trusts, the writer states: "The aims of those trades which seek to close their ranks by a system of registration and licensing, the latter being more dependent upon qualification tests, are materially different. This, indeed, is a system which represented the main basis of medieval guild organisation. The system itself, as now, was not heralded as a way of licensing or excluding competition; it was held as a necessary device to protect the consumer against the inefficiency or malpractices of unscrupulous artisans or traders. In some trades such protection is

a recognised necessity. People must, for instance, be protected against the danger of unqualified medicine, and the druggist and pharmacist is rightly subjected to a qualification test. But the aims, of the pharmacist extend farther to a policy of getting the exclusive control of sale over everything which may be used or considered as a medicine. Pharmacists would like to see 'other vendors' debarred from selling branded patent medicines, though they have not yet explained what their attitude would be if outside trade interests should complain that the pharmacists, who claim certain exclusive trading rights as a 'profession,' encroach on the trade of others by selling toilet soap, perfumeries, handbags, hot-water bottles, or even books." The position in a number of other trades is discussed, but in so superficial a manner as to give the impression that the writer is not really familiar with any one of them.

Division of Sales

In the case of pharmacy, while chemists have every reason to claim the right to supply all the medicine the public needs, they were the originators, through their chemical and pharmaceutical training, of an amazing list of products now sold by their competitors. Many such lines started as medicinal articles and have been exploited by others, perfumery products being only one among many notable examples, while, in the case of hot water bottles, no retailer could lay greater claims to the right of sale than the chemist who is the vendor of medical and surgical appliances. As to handbags and books, the chemist does not regard these as part of his pharmaceutical business, nor are such goods usually seen in pharmacies except where the business as a whole is in the nature of a departmental store. This encroaching on other trades than one's own is one of the great problems facing all retail traders today, and unless there is some scheme devised before long whereby certain goods are restricted to certain retailers every shopkeeper will be a departmental store in miniature. Such practice has many evils, and a way to deal with the matter would be by an independent commission, with power to decide through which channels of

supply particular goods should reach the public. The Location of Businesses Order might be made the beginning of such a development.

Quinine

THE bulk of the world's quinine comes from the Dutch East Indies, and now that these islands are in Japanese hands the utmost economy in the use of the drug must be observed. It is true that at the beginning of the war stocks of quinine in the Empire were considered adequate, but then the invasion of the Dutch East Indies was not anticipated. Although there are large cinchona plantations in India, that country does not produce enough quinine to satisfy her own needs. Quinine is still the cheapest and most effective specific for malaria, a disease that numbers its victims in millions. Even in peace-time the world's production of quinine was insufficient to treat every case of malaria. The existing supplies must be husbanded for the prophylaxis and treatment of this disease, and our fighting forces, particularly in the East, should have first call on the drug. As military experts know, malaria can decimate an army as effectively as can the enemy; witness the 160,000 cases of malaria among British troops in Macedonia in the last war.

Other drugs have been used in the treatment of malaria, such as Pamaquin and Mepacrine, but they are far more toxic, more expensive and limited in supply. Quinine can be used prophylactically over a long period without producing toxic symptoms; these drugs cannot. It is interesting to note that two new sulpho-namides, promin and sulphadiazine, have been used in malaria, but their effectiveness has yet to be proved. Another quinine substitute of natural origin is totaquin, which field trials have shown is almost as potent in malaria as quinine itself. Totaquin is a mixture of 70 per cent. of the crystallisable cinchona alkaloids containing not less than 15 per cent. quinine. Its use in place of quinine would conserve the latter to some extent, although the cinchona plantations available to us are very limited and new ones cannot be developed quickly. The commercial synthesis of quinine is out of the question at the moment. In

addition to being employed as an antimalarial drug, quinine has been used as medicine for a variety of purposes—febrile conditions as an antipyretic, as analgesic, as a bitter, as a sclerosing agent as an ecboic and as a contraceptive. In the future quinine ought to be used for malaria and malaria only. Its use for the purposes just mentioned cannot be defended under present circumstances. There are effective and in most cases far more efficient substitutes.

Nutrition in War-time

ONE of the most difficult and certainly of the most important problems the Government has to contend with today is that of maintaining the health and vigour of the nation. With many of the leading foodstuffs consumed in normal times severely rationed, it is essential that the utmost use should be made of the supplies available and that, wherever possible, substitutes should be introduced for important foods.

In this issue (p. 314) we are publishing the first of a series of twelve authoritative articles entitled "Nutrition in War-time" under the following headings:—

Lessons taught by the last world war. Pre-war preparations by the Germans. Statistics taken by the British Government.

Energy requirements at different times and in different conditions. War stresses. The importance of diet in securing the maximum national output.

The fat problem—"guns or butter." Needs of fat for explosives, soaps and other uses for nutritional purposes. Fat requirements related to climate.

Growth requirements—flesh formation, skeleton building and factors specially needed by children. Variations in quality of products from different sources.

Requirements of animal and vegetable protein and their bearing on agricultural policy.

Methods of determining mineral requirements. Difficulties of estimating vital requirements.

General effects of restrictions in shipping space. Should preference be given to human foods in place of animal feeding stuffs in imports?

Substitutes for meat, bacon and other restricted foods.

Comparison of nutritive values of meat, eggs and cheese.

Regulation of imports and choice of agricultural policy. Fortification of foods. Preferential distribution of foods rich in essential factors. Distribution of special products such as cod liver oil compound, black currant jelly and rose hip syrup.

The pharmacist's part in solving the nation's food problems. Importance of disclosing the facts to the public.

Dealing with all aspects of human nutritional requirements these articles, which we propose to publish fortnightly, will be presented to our readers concise and practical information on war-time dietary problems.

Nothing Like Lather

A recent paragraph in the "Daily Telegraph" was as follows:—

Run on Shaving Soap.—Chemists report an increased demand for shaving sticks and creams, which are unrationed, and state that women are buying shaving soap as a substitute for toilet soap.

"Johnny, just go and get your father's shaving brush. I want to wash the baby."

"All right, Mum, but you said you would let me have some of daddy's shaving soap to blow bubbles with."

"You'll have to make do with that tube of shaving cream I saw in the bathroom. Only mind you don't go wasting it.—Mary!" "Yes, Mum?" "When you go into town this afternoon, remember to get another packet of shampoo. It's splendid for the clothes! What's that, Lucy?" "Oh, mum, do come and look at Johnny. He doesn't look right to me. He's all red in the face and looks as if he's going to explode any minute." "All right, I'm coming. Why, good gracious me, Johnny, what on earth are you up to? You don't have to blow like that to make bubbles. You'd better give me back the tube right away. Is this it? Well, no wonder. You'll never get a bubble out of this. You've got the brushless shaving cream!"

PROPRIETARY ASSOCIATION POLICY

The following extracts are taken from a statement of policy issued by the Proprietary Association of Great Britain and posted to all retail chemists.

This Association represents the vast majority of manufacturers of well-known proprietary medicines. It has always been very desirous of maintaining good relations between such manufacturers and retail pharmacists, and for this reason has been loath to enter into discussions which might prove highly controversial and very undesirable in these days of stress. Circumstances, however, have changed, and it is now felt that silence on the Association's part might be misinterpreted. It is well known to every pharmacist that there is a consistent public demand for the various products manufactured by members of this Association, and the retail pharmacist knows his fixed minimum profit is assured. Nearly every member of the Association is a member of the P.A.T.A. The manufacturers have always recognised that retail pharmacists are the main channel of distribution and, notwithstanding the passage of the Pharmacy and Medicines Act, most of them give preferential terms to the pharmacist.

Since 1783 and during the period when the Medicine Stamp Duty Acts were in force, any person was able, upon purchase of a licence, to buy and sell stamped those medicines which were subject to the Acts,

besides selling unstamped a number of medicines which were exempt from Medicine Stamp Duty. This situation in the sale of medicines sold under a proprietary designation is recognised under the 1941 Act, and the manufacturers are not prepared to assent to any proposals which would result in the discontinuance of sales through those outlets which, for upwards of 150 years, have been concerned in the sale of proprietary medicines. In fact, were they to do so, it is highly probable that the market would be flooded by numerous substitute preparations which would be sold without any restriction whatsoever in every avenue of distribution and without any control on the maintenance of price and profit.

This Association has been willing to co-operate with pharmacists in supporting recognition of their position in the distribution of medicines. All efforts so far to reach common ground have broken down on the question of reserving to the pharmacist a monopoly in the sale of proprietary medicines. The pharmacist's right to such a monopoly has never been recognised before and cannot be accepted by this Association. The Association would once more like to say, in all earnestness, that the substance of an accord between the proprietary medicine manufacturers and the pharmacist is easily within reach, once this principle of monopoly has been abandoned.

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

I.—Introductory

THE importance of nutrition in war-time was clearly shown during the progress of the World War in 1914-18. At the beginning neither side seemed to have suspected how important food problems would become. Sir William Beveridge has stated that food questions in those days were ignored in the pre-war plans of the British Government, and it was not until 1916 that the alarming increase in shipping losses led to the appointment of a Food Controller. Fortunately the assistance of dietetic experts was obtained, and available knowledge of the vitamin value of foods was employed to ensure that the nation's diet was not marred by any serious deficiencies. The neglect of the Germans to take similar precautions was a major cause of their defeat in 1918.

German Plans.—When planning the present world war the Germans made great efforts to solve their food problems in advance. For several years they had been hardened to endure privations of war-time diets by severe restrictions of their consumption of fats and other imported foods. "Guns before butter" was no mere catch phrase but a slogan which should have revealed a ruthless policy of preparation for aggression. Substitutes had to be found not only for butter and other dairy produce but also for meat, since in war-time the shortage of animal feeding stuffs leads to a large proportion of the cattle being killed off soon after the outbreak of hostilities, and after these have been consumed the amount of meat available steadily drops to much less than the pre-war figure. In 1918, for example, the average German was eating only 1 oz. of meat a day as compared with 5 oz. in peace time. Since his allowance of milk, cheese and eggs was also diminished his intake of animal protein was reduced to about $\frac{1}{2}$ oz., or a third of the pre-war value, and in addition he was losing vital food factors found in dairy produce.

Fat and Protein Substitute.—The Germans found a substitute for meat and dairy produce in the soya bean—a staple food in Northern China for many centuries. One-third of the soya bean consists of protein of high biological value, similar to that found in milk. Soya beans have in

fact formed the basis of more than one "vegetable milk," the resemblance being closer because they contain protein, and carbohydrate in proportions similar to those found in milk. During the present war soya-bean preparations are being successfully used in this country to replace milk in ice cream and other milk products. The Germans have for some years been manufacturing a soya-bean flour (Edelsol) which provides as much protein and twice as much energy as meat at a third of the price. Moreover, this flour has the immense advantage over meat for war purposes of being perfectly stable when kept dry, enabling it to be stored and transported with much greater ease. It has been estimated that at the beginning of this war the Germans had at least 10 million tons of soya flour in reserve, and this added to the annual imports of soya beans from Manchuria and the Balkans would provide sufficient protein to replace for a year the whole of the protein previously obtained from meat. Soya preparations have also proved of great value to the German Army, which has used them as the basis for the ration on which they have made the unusually rapid movements which have often brought them success.

Meat Alternatives.—In this country to the present success has not attended attempts to grow soya beans on the large scale and recourse has been made to other foods as alternatives for meat. Table I summarises the food values of a number of such alternative foods, both imported and home grown. Each food value is stated as the percentage of the average adult requirement of each factor supplied by 1 oz. of the food. A zero (0) indicates that the food does not provide a significant amount of the given factor. When no figure is given reliable data are not yet available. The methods of determining these food values and their full significance, will be described later. At present it need only be remembered that the average amount of food eaten daily by an adult is about 50 oz., from which we may deduce that each ounce should supply a fiftieth or 2 per cent. of the daily requirement of each factor. Hence if a food value quoted is less than 2, the food is a poor source of that factor, since the more of that food eaten, the greater becomes the deficiency in the particular

tor. On the other hand, when the food value reaches 4, the food is a very good source of the factor, and above 4 becomes excellent. In assessing the virtues of any food all the factors it provides have to be taken into consideration. Milk, for instance, is a poor source of iron but an excellent source of calcium and phosphorus. An attempt has therefore been made to give a general figure of merit for each food by calculating the mean of its food values for the different factors, and the results are given in the last column in the table.

food value. The fact that milk powder and cheese are far superior to any other foods justifies the importance attached to these products in the nation's food policy. Eggs occupy a lower place in the list because of the high proportion of water they contain. If eggs are dried, or made into dry products, their food value is multiplied, four times, and the dried product would easily top the list. Even when calculated on the raw condition in which they are usually purchased, eggs are a valuable source of iron, in which milk, cheese and meat are seriously

TABLE I. FOOD VALUES (PER OZ.) OF FOODS USED AS ALTERNATIVES TO MEAT AND DAIRY PRODUCE

| Food | Body building | Energy building | Mineral values | | | Vitamin values | | | | | Mean food values |
|--------------------------------|---------------|-----------------|----------------|------|----|----------------|----------------|----------------|------|------|------------------|
| | | | Ca | P | Fe | A | B ₁ | B ₂ | C | D | |
| Milk powder (full cream) | 10 | 6 | 27 | 14 | 1½ | 2-4 | 5-10 | 15-40 | 0-4 | 2-4 | 10 |
| Cheese | 10 | 2-5 | 10-23 | 6-10 | 1 | 20-33 | — | — | 0 | — | 9 |
| Eggs | 6½ | 3 | 3 | 5 | 2 | 1-7 | — | — | 0 | 60 | 8 |
| Beans | 13 | 13 | 7 | 14 | 1 | — | 4-5 | — | 0 | 0 | 6½ |
| Hens' eggs | 2-3 | 2 | 1½ | 4 | 5 | 1-50 | 3 | 6-9 | 0 | 6-20 | 6 |
| Wheat | 0 | 1 | 1½ | 1½ | 1 | 12-90 | 1-3 | 1 | 1-10 | 0 | 6 |
| Almonds (shelled) .. | 3 | 7 | 5 | 1½ | 5 | — | 20 | — | — | 0 | 6 |
| Walnuts (shelled) .. | 5½ | 7 | 1½ | 3 | 4 | — | 5-20 | — | — | 0 | 5 |
| Picot beans | 8 | 3½ | 5 | 3 | 11 | — | 3-7 | — | — | 0 | 5 |
| Peas | 9½ | 3½ | 1 | 3 | 10 | 1-4 | 2-12 | — | 1 | 0 | 4½ |
| Beans, dried | 4½ | 3 | 1½ | 3 | 7 | 3-10 | 2-6 | 5-10 | 1 | 0 | 2½ |
| Wheat meal | 5 | 5 | 1½ | 4 | 8 | — | 8-20 | 1 | 0 | 0 | 4 |
| Flour (wholemeal) .. | 4½ | 4 | 1½ | 2½ | 5 | 1-4 | 5-8 | 1 | 0 | 0 | 2½ |
| Beefsteak | 2-4 | 1-2 | 1½ | 5 | 3½ | — | 2-6 | 1 | 0 | — | 2 |
| Potatoes | 3½ | 5 | 1½ | 1½ | 1 | 1-1½ | 2-4 | 0 | 1-3 | 0 | 1½ |

Values of Meat Alternatives.—A careful study of Table I leads to the following conclusions:—

1. MEAT.—This is inferior in food value to a variety of other foods. Even if with fat is included a fair proportion of offal, such as liver, which is rich in vitamins A and D, the resulting vitamin value can still be exceeded by a careful selection of alternative foods. A possible exception is cod liver oil, which apparently does not occur in the vegetable kingdom, although its precursor ergosterol is present in vegetable fats. The vitamin D question, however, is too complicated to be discussed here, and will be reserved for a later article. Certain kinds of fish, especially herrings, are considerably superior in food value to meat, but as sufficient supplies of these are not always available, alternatives are necessary.

2. DAIRY PRODUCE.—The foods in Table I are placed in order of their mean

deficient. (The iron is calculated as available or assimilable iron and not as total iron. The difference will be described later.) Eggs may also serve as an excellent source of vitamins A and D, though the figures given show that the amounts of these factors in eggs vary widely according to the diet of the hens, and the conditions under which they are kept. Similar variations in the amounts of these vitamins occur in milk and cheese, but weight for weight eggs may contain much more vitamin D. The one factor deficient in meat and dairy produce is vitamin C, for which we have to rely mainly on fruit and vegetables. (With vitamin C is probably associated vitamin P.)

3. CEREALS.—Wholemeal flour is an excellent source of protein and energy, iron, and certain of the B vitamins, and an average source of phosphorus and vitamin A in the form of its precursor carotene. In the preparation of white flour most of the iron, phosphorus and B vitamins are

removed with the germ, and a good deal of the carotene may be destroyed by bleaching. Recent work suggests that the vitamin A value of flour may have been over-estimated owing to the use of assay methods which did not distinguish between carotene and closely related pigments which do not possess the same vitamin A value. Oatmeal is superior in several respects to wholemeal flour, notably in the content of vitamin B₁, and has the advantage of not being subject to the loss of food value by manufacturing processes. The data in Table I show that every effort should be made to maintain adequate supplies of oatmeal, which is superior in food value to many proprietary breakfast foods as well as being lower in price.

4. VEGETABLES.—The remarkably high mean food value of soya beans given in Table I depends mainly on their content of protein, fat and minerals (calcium and phosphorus). Apart from vitamin B₁, our knowledge of the vitamin value of the soya beans is still vague. As usually eaten they probably do not provide a significant amount of vitamin C, although, like haricot and butter beans, peas, wheat, barley and oatmeal, soya beans can yield valuable amounts of this vitamin if allowed to germinate for several days. On the other hand, in contrast to the pulses, they are only a poor source of available iron. The food values for peas have been stated for these vegetables in the dry condition in order to be comparable with dried beans and lentils. Turning to the staple vegetables, carrots and potatoes, the food values of these are stated in the condition in which they are usually purchased, but for a fair comparison with the other figures they should be considered in the dry condition, which would multiply them by eight and four respectively, raising the mean food value of carrots to a very high value which depends mainly on their content of vitamin A. (The food value of beefsteak also would be increased about four times if calculated on the dry basis instead of on the condition in which it is usually purchased. Mutton, and poultry and other kinds of meat, have similar food values to beef.) Brazil nuts and peanuts are included in the table as examples of foodstuffs whose high food value merits more attention than they have hitherto received. This brief survey of the comparative values of important home-grown and imported foods may serve as an introduction to a study of nutrition in war-time, including some problems which the pharmacist should help to solve.

NEW BOOKS

Abridged Index to Thorpe's Dictionary of Applied Chemistry, Vols. I-V. 9 in. × 6 in. Pp. 19. 3s. Longmans, Green & Co., Ltd. 43 Albert Drive, London, S.W.19. This issued in pamphlet form as an interim index to the first five volumes of the new edition of "Thorpe's Dictionary of Applied Chemistry," and comprises a list of cross-references which would have appeared alphabetically as titles had the Dictionary been published as a complete work.

"British Journal" Photographic Almanac. Although the number of pages in this valuable photographic handbook (published by Henry Greenwood & Co., Ltd. 24 Wellington Street, London, W.C. 7) 7½ in. × 5 in. Pp. 384. 2s. 6d.) is still below that of peace-time editions, its usefulness is in no way impaired. The almanac is a fund of information on new methods, formulas, processes, and gadgets for the most varied branches of photography, among its authoritative articles are "What Colour Portraiture?"; "The New Theatrical Cinema," "At-home Portraiture," "Creative Table-top Photography," etc.

Thorpe's Dictionary of Applied Chemistry, Vol. V. Thorpe, J.F., and Whiteley, M. 9 in. × 6 in. Pp. 610. 70s. Longmans, Green & Co., Ltd., 43 Albert Drive, London S.W.19. Although the death of Sir Jocelyn Thorpe, joint author of this standard work of reference, occurred when Volume IV of this dictionary was published, the present volume was so far advanced at that time that its publication has been completed without much difficulty, but owing to present conditions certain subjects which normally would have been included will appear under modified titles in later volumes. This volume contains an unusual number of monographs and carries the dictionary from "Fehling's solution" to "Glauc optical." Among the subjects dealt with at some length are alcoholic, bacterial, and mould fermentations; animal, vegetable and artificial fibres; food preservatives, coal gas, glass, etc.

SALVOES FROM SALVAGE

Urgently wanted—every scrap of waste paper for munitions, every week so long as the war lasts.

TRADE REPORT

et quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, March 11

BUSINESS in all markets has been on a moderate scale during the past week. Few important price movements have occurred, practically all commodities are firmly held. In PHARMACEUTICAL CHEMICALS, little has been mainly confined to the filling of routine orders. Prices are generally steady, and no important developments have occurred in the supply position. MORIN remains in fair demand at unchanged rates. Reasonable supplies of BENZYL BENZOATE are stated to be available for medical purposes. GUAIACOLS are in limited supply. Makers' prices for LOCARPINE and SALTS have been advanced as from March 5. The future position of QUININE will naturally be seriously affected by the latest developments in the Eastern war situation, and holders of stocks will be well advised carefully to conserve their supplies pending a clarification of the situation. VANILLIN is at the levels recorded last week.

Crude Drugs

A steady demand has been received from home consuming trades and several inquiries for export have been noted. Stocks have remained firm throughout. Business in Japanese AGAR has been confined to sales of a few odd bales. Stocks of ARECA NUT are practically exhausted. Among the BALSAMS, TOLU has been in fair demand and prices are firm. BELLADONNA is not available at present. Inquiry for INDOIN has again been exceptionally good, but present stocks are inadequate to meet demand. Remaining supplies of BUCHU leaves are quoted higher. Whilst there is no definite news of Lease-Lend arrangements for the distribution of CASCARA SAGRADA, it is hoped that information in this connexion will be forthcoming at any day date. Some varieties of CHILLIES are cheaper. A few parcels of COLOCYNTH are reported cleared. No offers of DRAGON'S BLOOD are being made, and prices are purely nominal. West African GINGER shows an advance on spot. IPECACUANHA is firm. NUTTHOL is selling steadily at the high prices ruling recently. RHUBARB has been in good inquiry. SHELLAC has a firm tendency, but trading is not important.

Essential Oils

Quiet conditions have again obtained in these markets, and price changes have been few. ANISE (STAR) has been in some inquiry, and business is reported done at high prices. Spot prices for the small available supplies of BAY have been well maintained. CAJUPUT is firmly held. Values of CANANGA are nominal. CASSIA is unobtainable. Future supplies of CEDARWOOD are likely to be imported under the Lease-Lend Act; further information is expected shortly, and spot prices of any remaining supplies are nominal. LIME is steady to firm. Chinese PEPPERMINT has been in good inquiry, and some business has been done. First-hand supplies of SASSAFRAS seem to be exhausted, and prices are nominal.

Exchange Rates on London

The following were Bank of England fixed rates at the opening on March 11: New York, 4.03 dollars; Montreal, 4.45 dollars; Lisbon, 100 escudos; Stockholm, 16.90 kroner; Zurich, 17.35 francs; Buenos Aires, 17.04½ paper pesos; Netherlands West Indies, 7.60 florins. The official Madrid rate remains at 40.50 pesetas and the free rate at 46.35. The Chinese national dollar is at 3.18d.

Pharmaceutical Chemicals

ACETANILIDE.—Demand continues, but prices are unaltered. B.P.C. crystals and powder, about 2s. 4d. to 2s. 6d. per lb., according to quantity.

ALLOBARBITONE.—British makers' price remains at about 60s. per lb.

AMIDOPYRINE.—About 45s. per lb. would be the price for any small quantities that may be available.

ASPIRIN.—No further changes have occurred in makers' prices and demand remains fair. Current prices per lb., in 28 lb. quantities, are as follows: 3s. 6½d. (28-lb. containers); 3s. 7d. (14-lb. containers); 3s. 7½d. (7-lb. containers); 3s. 7¾d. (4-lb. containers); 3s. 9½d. (1-lb. containers). TABLETS.—Under 5,000, 3s. 3½d.; 5,000, 3s. 1½d.; 10,000, 3s. 0½d.; 25,000, 2s. 10½d.; 50,000, 2s. 9½d.; 100,000, 2s. 8½d.; 250,000, 2s. 8d.; 500,000, 2s. 7½d.; 1,000,000, 2s. 6½d.; 2,000,000, 2s. 5½d. per 1,000.

ATROPINE.—British manufacturers' prices are steady at the figures given last week (p. 290).

BARBITONE.—Supplies are restricted, and the price for any remaining lots is at about 45s. per lb. SODIUM BARBITONE, if available, would be at about the same figure.

BENZALDEHYDE.—Values remain at between 5s. and 5s. 6d. per lb., with the supply position unaltered.

BENZOIC ACID.—In fair supply for medical purposes. Makers' prices are unchanged at between 2s. 6d. and 3s. per lb., according to quantity.

BENZYL BENZOATE.—Reasonable supplies are stated to be available for therapeutic purposes at approximately 4s. 6d. to 5s. per lb.

BISMUTH SALTS.—Makers' prices per lb. for the two leading salts are: **CARBONATE.**—Under 4 lb., 11s. 3d.; 4 lb.—8 lb., 10s. 9d.; 8 lb.—28 lb., 10s.; 28 lb.—1 cwt., 8s. 7d.; not less than 1 cwt., 8s. 4d. **SUBNITRATE.**—Under 4 lb., 9s. 11d.; 4 lb.—8 lb., 9s. 5d.; 8 lb.—28 lb., 8s. 8d.; 28 lb.—1 cwt., 7s. 6d., not less than 1 cwt., 7s. 3d. A rebate of 3d. per lb. is allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months.

CITRATES.—British makers' prices are unchanged. **POTASSIUM, B.P.**, 28 lb. to 1 cwt., 2s. 11d. per lb.; from 14 lb., 3s. 0½d.; from 7 lb., 3s. 1½d.; from 4 lb., 3s. 3½d.; under 4 lb., 3s. 6d. Prices of **SODIUM, B.P.**, are at one penny lb. below, and **IRON and AMMONIUM (SCALES), B.P.**, at threepence lb. above these prices.

COCAINE.—British makers' current wholesale prices are at the levels recorded in detail last week.

CODEINE.—No changes in makers' prices have been notified. **ALKALOID:** ½ oz., 43s. 3d. per oz.; 1 oz., 40s. 9d.; 2 oz. 39s. 3d.; 3 oz., 38s. 6d.; 4 oz., 38s. 3d. **PHOSPHATE.**—½ oz., 36s. 3d.; 1 oz., 33s. 9d.; 2 oz., 32s. 3d.; 3 oz., 31s. 6d.; 4 oz., 31s. 3d.

GLYCERIN.—Current prices for small quantities are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per cwt. All prices are subject to discount of 2½ per cent. for cash in twenty-eight days.

GUAIACOLS.—**CARBONATE** and **CRYSTALS** remain in limited supply at approximately 13s. per lb.

IODIDES.—Steady at makers' prices: **POTASSIUM IODIDE, B.P.**—112 lb., 8s. 8d.; 28 lb., 9s. 2d.; 14 lb., 9s. 8d.; 7 lb., 11s.; 4 lb., 11s. 6d.; smaller quantities, 12s. per lb. **SODIUM IODIDE, B.P.**—28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 7d.; 4 lb., 12s. 3d.; smaller quantities, 13s. 1d. per lb. **ODOFORM, B.P.**—28 lb., 12s. 1d.; 14 lb., 12s. 7d.; 7 lb., 14s. 9d.; 4 lb., 15s. 7d.; smaller quantities, 16s. 5d. per lb. **IODIDE RE-SUBLIMED, B.P.**—112 lb., 9s. 11d.; 28 lb., 10s. 5d.; 14 lb., 10s. 11d.; 7 lb., 12s. 6d.; 4 lb., 13s. 2d.; smaller quantities 13s. 11d. per lb.

MERCURIALS.—Details of controlled prices for quantities up to two cwt. were given last week (p. 243).

MERCURY IODIDES.—The following are makers current prices: **RED**, less than 7 lb., 17s. per

lb.; not less than 7 lb., 16s. 8d.; not less 14 lb., 16s. 2d. **GREEN**, less than 7 lb., not less than 7 lb., 18s. 8d.; not less 14 lb., 18s. 2d. **YELLOW**, less than 7 20s. 8d.; not less than 7 lb., 20s. 4d.; not than 14 lb., 19s. 10d. per lb. net, carriage p

METHYL SALICYLATE.—No further alterations have been made in makers' prices: Five 1s. 10d. per lb.; one cwt., 1s. 10½d.; sm 10s., in bottles, 2s. 0½d. per lb.

PHENAZONE.—The present price for small available supplies would be in the re of 19s. per lb.

PHENOLPHTHALEIN.—Makers' prices steady, as follows: Less than 7 lb., 4s. 3d. lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 1 cwt., 3s. 11d.

β-PHENYLISOPROPYLAMINE.—Fair supplies are offered by British makers at about 1 per lb.

PILOCARPINE.—Makers' prices per oz. advanced on March 5, as follows:—

| | 1 oz. | 4 oz. | 25 |
|------------------------------|------------|------------|-------|
| Pilocarpine base .. | s. d. 27 0 | s. d. 26 6 | s. 26 |
| Pilocarpine hydrochloride .. | 21 3 | 20 9 | 20 |
| Pilocarpine nitrate .. | 18 6 | 18 0 | 17 |

QUININE.—As the regular source of supply now cut off, the price position is nominal. The basic price of sulphate, as last recorded, was £14 17s. 5d. per 100 oz., f.o.b., the highest market price being approximately 3s. 6d. per

SALICYLIC ACID.—Makers' current prices lb., in quantities of 28 lb.—1 cwt., are as follows: 2s. 1½d. (28-lb. containers); 2s. 2d. (14-lb. containers); 2s. 2½d. (7-lb. containers); 2s. 4½d. (4-lb. containers); 2s. 4½d. (1-lb. containers)

SANTONIN.—Home trade prices are changed, as follows: 15 kilos and over, £46 1 not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per l delivered free in the United Kingdom; 1-packages free.

SODIUM SALICYLATE.—No further changes have been notified in makers' prices:—

| Quantity | In containers of | | | | |
|----------------|------------------|---------|---------|---------|------|
| | 1 lb. | 4 lb. | 7 lb. | 14 lb. | 28 |
| Under 4 lb. | s. d. 3 1½ | s. d. — | s. d. — | s. d. — | s. — |
| From 4 lb. .. | 3 0½ | 2 10½ | — | — | — |
| From 7 lb. .. | 2 11½ | 2 9½ | 2 9½ | — | — |
| From 14 lb. .. | 2 10½ | 2 8½ | 2 8½ | 2 8 | — |
| From 28 lb. .. | 2 9½ | 2 7½ | 2 7½ | 2 7 | 2 |
| From 1 cwt. .. | 2 4½ | 2 2½ | 2 2½ | 2 2* | 2 |
| From 5 cwt. .. | 2 4 | 2 2½ | 2 1½ | 2 1½* | 2 |
| 1 ton .. | 2 3½ | 2 1½ | 2 1½ | 2 1 | 2 |

* 8 × 14 lb. and upwards, in one delivery, ½d. per less. Prices include parcels or collapsible cartons; 0 packages charged extra. Prices subject to buyer's not taking not to re-sell any quantities at prices or below scale current at time of re-sale.

STRYCHNINE SALTS.—British makers' prices per oz. are as follows:—

| Compound | Under 100 oz. | | 100 oz. and under 500 oz. | | 500 oz. and over | |
|---|---------------|----|---------------------------|-----|------------------|-----|
| | s. | d. | s. | d. | s. | d. |
| kaloïd, crystalline . . . | 3 | 0 | 2 | 10½ | 2 | 9 |
| kaloïd, precipitated . . | 3 | 0 | 2 | 10½ | 2 | 9 |
| etate | 3 | 2½ | 3 | 1 | 2 | 11½ |
| senate | 3 | 1 | 2 | 11½ | 2 | 10 |
| senite | 3 | 2½ | 3 | 1 | 2 | 11½ |
| sulphate | 2 | 4½ | 2 | 3 | 2 | 1½ |
| ydrochloride | 2 | 9½ | 2 | 8 | 2 | 6½ |
| ypophosphate | 5 | 6 | 5 | 4½ | 5 | 3 |
| trate, crystalline . . . | 2 | 9½ | 2 | 8 | 2 | 6½ |
| trate, powder | 2 | 9½ | 2 | 8 | 2 | 6½ |
| trate, powder, No. 2 . . | 2 | 3 | 2 | 1½ | 2 | 0 |
| osphate | 3 | 7½ | 3 | 6 | 3 | 4½ |
| lphate, neutral, crystalline | 2 | 6 | 2 | 4½ | 2 | 3 |
| lphate, neutral, powder . . | 2 | 6 | 2 | 4½ | 2 | 3 |
| lphate, neutral, powder No. 2 | 2 | 1 | 1 | 11½ | 1 | 10 |

100-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

SULPHONAL.—Supplies are greatly restricted and values are maintained at about 45s. to 5s. per lb., according to quantity.

TANNIC ACID.—In restricted supply at about 5s. per lb.

VANILLIN.—No further changes have been notified in makers' prices: Ex clove oil or alacoid, five cwt., 22s. 6d. per lb.; one cwt., 5s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., triage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—Indian root, in small compass, available from dealers at about 2s. per lb.

AGAR.—Business in this market is confined to sales of a few odd bales of unrestricted Kobe No. 1, the price of which varies from 65s. to 70s. per lb., according to holder, and to a little material for bacteriological use at around 25s. to 30s. per lb.

ALOES.—The spot price of Cape is around 5s. 6d. per cwt. Curaçao is not offered on spot, but forward quotations are in the region of 6s. to 450s. per cwt., c.i.f.

ANTIMONY.—The price of English minimum 90 per cent. regulus is maintained at £120 per ton, delivered; 70 per cent. crude for home use remains at £100 per ton, delivered.

ARECA NUT.—Dealers report stocks practically exhausted. For any remaining small lots the price would be in the region of 5½d. per lb.

BALSAMS.—A fair inquiry has been received for Tolu, but spot supplies are not plentiful; the spot value would be in the region of 9s. to 10s. 3d. per lb. *Copaiba*, B.P., is unchanged at 10s. 3d. per lb. *Copaiba*, B.P., is unchanged at 10s. 3d. per lb. *Copaiba*, B.P., is unchanged at 10s. 3d. per lb. *Copaiba*, B.P., is unchanged at 10s. 3d. per lb.

Canada, on spot, would be worth about 7s. 6d. per lb., and Peru about 7s. 9d. per lb., ex store U.K., duty paid.

BELLADONNA.—There appear to be no spot supplies available at present, but some Indian root and leaves are reported to be in process of shipment.

BENZOIN.—Inquiry has again been exceptionally good, but present stocks are restricted. About £12 upwards per cwt. is now being asked for Sumatra on spot, and free alomdy is offering at between £25 and £30 per cwt.

BISMUTH METAL.—No change has occurred in the price of high-grade metal at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Fair green rounds would be difficult to buy on spot at less than about 5s. 9d. per lb. Spot stocks are low and no replenishments are coming forward.

CALUMBA ROOT.—Spot supplies are small, with 160s. to 170s. per cwt. asked for washed.

CAMPHOR.—Inquiry remains fair, and prices of any available supplies are at the levels indicated last week.

CANTHARIDES.—Spot supplies are exhausted, and no quotations are available.

CARDAMOMS.—Unchanged. Spot, Aleppy greens, 5s. 3d. per lb.; Aleppy seed, 6s.; Bombay seed, 5s. 6d.; Mangalore seed, 6s.; shipment, Aleppy greens, 4s. per lb., c.i.f.; Bombay seed, 4s. 10d., c.i.f.; Mangalore bleached A, 5s. 3d. c.i.f.; Mangalore bleached B, 4s. 9d. per lb., c.i.f.

CASCARA SAGRADA.—No news has come in of importation and distribution under the Lease-Lend Act, but there are indications that information may soon be forthcoming. Some small spot business is reported done in 1941 peel at about 210s. per cwt., and in 1940 peel at about 250s. per cwt.

CASCARILLA BARK.—Small quantities of quills can be bought at around 3s. 3d. per lb., and siftings at about 2s. 6d. per lb.

CHILLIES.—In good demand, with some varieties at lower prices. Spot, Zanzibar, 175s. per cwt.; Mombasa, 175s., sellers; Sierra Leone and Sudan, both 170s. per cwt., duty paid.

CINCHONA BARK.—Some *Calisaya* is reported available on spot at around 2s. per lb., ex store.

CLOVES.—Values have been maintained throughout the week. Zanzibar, spot, 2s. 4d. per lb., sellers; Madagascar, unquoted.

COCHINEAL.—Stocks are restricted, and business is quiet. Spot, grey, about 5s. per lb.; black, about 5s. 3d. per lb.

COCA BUTTER.—The official maximum price remains at 1s. 5½d. per lb., ex factory or warehouse, except under Ministry of Food licence.

COCONUT (DESICCATED).—The maximum price, as fixed by a Ministry of Food Order, is 49s. per cwt.

COLCHICUM.—The spot value of any remaining supplies of Indian corns would be in the region of 3s. per lb.

COLOCYNTH.—A few parcels are reported cleared. For any remaining spot supplies about 4s. 7½d. to 4s. 9d. per lb. would be required.

DANDELION ROOT.—Dealers' quotations for Indian unchanged at about 120s. per cwt., ex store.

DERRIS ROOT.—Licences are required under the Control of Derris (No. 1) Order, 1942. There are no market prices.

DIGITALIS LEAVES.—Portuguese leaves quoted unchanged on spot at approximately 135s. to 140s. per cwt., ex store.

DRAGON'S BLOOD.—Stocks in first hands appear to be exhausted. The price of fair re-billed is nominal at around £40 per cwt.

ERGOT.—The spot price is unchanged at about 7s. 6d. per lb., with shipment steady at about 7s. per lb., c.i.f.

GINGER.—Spot business has been quiet. West African, spot, shows an advance to 185s. sellers, but new-crop for shipment remains at the last-quoted figure of 125s. per cwt., c.i.f. Cochin unwashed, spot, has advanced to 182s. 6d. on spot; afloat, 150s.; new-crop, 95s. per cwt., c.i.f. Jamaica No. 3, spot, 220s.

GRAINS OF PARADISE.—In small request at around 1s. 10d. per lb.

GUM ACACIA.—Unchanged. Kordofan cleaned sorts for unrestricted use is quoted on spot at the nominal figure of 225s. per cwt.; restricted material is valued at about 200s. per cwt.; shipment, nominal at 70s. per cwt., c.i.f.

HYDRASTIS.—Nothing on spot. Any further supplies are likely to be imported and distributed under Lease-Lend terms.

IPECACUANHA.—Firm, with all prices at about the levels recorded last week. Matto Grosso, spot, about 18s. 3d. per lb.; shipment price for March-April would be nominal at about 16s. per lb., c.i.f.; the March-April shipment price for Minas is around 11s. 4d. per lb., c.i.f., making the spot value about 12s. 3d. per lb. Current prices for EXT. IPECAC. LIG., in winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—Fair quantities would be obtainable on spot for about 60s. per cwt., but smaller lots would be dearer.

JALAP.—Dealers offer Brazilian, 16 per cent., at around 125s. per cwt., on spot.

LIQUORICE ROOT.—Any available supplies of Indian root would fetch from 85s. to 90s. per cwt. on spot.

MALE FERN.—Indian is offered at 65s. per cwt. on spot.

MENTHOL.—Unchanged. Small lots of Chinese are selling on spot at about 72s. 6d. per lb. Japanese, a few odd cases at about 75s. per lb.

MERCURY.—Prices for quantities of over 7 lb. are subject to the Control of Mercury (No. 6)

Order (C. & D., May 10, p. 295). Quantities of 7 lb. and under were decontrolled by the Control of Mercury (No. 7) Order (C. & D., October 18 p. 86). Official prices range between £48 and £48 15s. per bottle of 76 lb., ex warehouse London.

NUX VOMICA.—Dealers offer Cochin, washed and garbled, at about 37s. 6d. per cwt., spot and Madras at about 32s. 6d.

ORANGE PEEL.—Bitter quarters, if available would be worth approximately 2s. 9d. per lb. on spot.

PAPAIN.—Quoted on spot at from 16s. to 17s. per lb., according to quality, but supplies are meagre.

PIMENTO.—Quiet and unchanged. Spot 1s. 10d. per lb.; shipment, March-April, 150 per cwt., nominal, c.i.f.

PODOPHYLLUM.—*Emodi*, on spot, would be worth about 70s. per cwt.

PYRETHRUM.—Small quantities of Kenyan flowers are finding buyers on spot at approximately 160s. to 170s. per cwt.

QUASSIA CHIPS.—Dealers report there practically nothing left on spot, but some replenishments are expected in a few months time.

QUILLAIA BARK.—Supplies are in small compass, with crushed on the spot worth approximately 140s. per cwt.

RHUBARB.—Inquiry has been good, and several orders have been placed. Rough-root is selling on spot at about 7s. 3d. to 7s. 9d. per lb., according to holder and quality.

RUBBER.—Unquoted until further notice.

SARSAPARILLA.—Any available supplies of native reddish would be worth approximately 2s. 9d. to 3s. per lb. on spot.

SEEDS.—ANISE.—Spot, nominal at 165s. duty paid. CANARY.—No spot stocks available. CARAWAY.—Dutch, spot, nominal at 360.

CORIANDER.—English, spot, 210s.; Indian, 150s., duty free.—CUMIN.—Indian, spot, quoted at 150s., duty free; Malta, 155s., duty free.

DILL.—Indian, not quoted. FENNEL.—Indian spot, quoted 87s. 6d. to 90s., duty free. FENNEL GREEK.—Indian, spot, nominal at 115s., duty free.

MUSTARD.—English, 115s. to 130s. according to quality.

SENEGA.—Inquiry has been small. Any available small spot supplies would fetch approximately 7s. 3d. to 7s. 6d. per lb., according to holder.

SENNA.—Values are without quotable change on the week. Hand-picked Alexandrian pods in rather restricted supply on spot, about 4s. 6d. to 5s. 6d. per lb.; Alexandrian leave siftings, would be worth about 1s. 3d. per lb. hand-picked Tinnevely pods would fetch between 1s. 3d. and 1s. 5d. per lb. for selected, and about 8d. for f.a.q.

SHELLAC.—Firm in tendency, but quiet. Standard TN orange is valued on spot 197s. 6d. per cwt.; shipment is nominal 171s., c.i.f. Pure button, spot, unquoted; fine orange, 230s. to 280s. per cwt., quoted.

SLIPPERY ELM BARK.—Stocks are in small compass, and prices are steady. Wired bundles, spot, about 2s. 6d. per lb.; grinding quality, about 1s. 3d. per lb.

SQUILL.—Steady and in plentiful supply. Spot, from 75s. to 90s. per cwt., according to colour.

STRAMONIUM LEAVES.—Indian leaves, on spot, would be worth approximately 110s. per cwt., ex store.

STROPHANTHUS SEED.—Kombé, 100 per cent., would fetch about 10s. 6d. per lb. on spot.

TRAGACANTH.—Medium grades unchanged, as follows: No. 1, white, £155; No. 2, white, £145; No. 3, white, £120; pale leaf, £105; amber leaf, £85; red leaf, from £40; woody and hoggy, from £25, ex store.

TURMERIC.—Madras finger, sound quality quoted on spot at 72s. 6d.; wormy, 70s.

VALERIAN ROOT.—In quiet but steady demand. The spot value of Indian root would be in the region of 115s. to 120s. per cwt., according to quantity.

WAXES.—Prices are mostly at the levels recorded last week. **BEES'.**—Spot, nominal at 6s. per cwt., in bond, 265s.; Dar-es-Salaam, nominal at 290s.; Japanese unquoted. **CARUBBA.**—Fatty grey, again dearer on spot at 55s.; chalky grey, 490s.; Primeira, 600s. per cwt.

WITCH HAZEL (LIQUID EXTRACT).—Future supplies will be distributed under Lease-Lend terms, but no information is available at time writing.

Essential and Expressed Oils

ANISE (STAR).—Some business is reported on spot in tins in cases at between 52s. 6d. and 53s. 6d. per lb.; drums are offered at about 52s.

BAY.—For the very small supplies available about 10s. to 12s. per lb. would be wanted.

BOIS DE ROSE.—Steady on spot at between 2s. and 30s. per lb.

CAJUPUT.—Spot prices firm in the neighbourhood of 14s. per lb.

CANANGA.—Spot values nominal at around 6s. per lb.; supplies are increasingly difficult to find.

CASSIA.—Demand persists, but supplies are non-existent.

CEDARWOOD.—Future supplies are likely to be imported and distributed under the Lease-Lend terms. Spot values are nominal at around 16s. 6d. per lb., and there are no forward quotations.

CINNAMON LEAF.—The spot price remains at approximately 14s. per lb.; shipment, if available, would be in the neighbourhood of 16s. 6d.

CITRONELLA.—Firm conditions obtain for London, the spot price being about 16s. 3d. per lb.; Java, spot, nominal at about 23s.

CLOVE.—English distillers maintain prices at between 15s. 6d. and 18s. per lb.; supplies are rather poor.

EUCALYPTUS.—Current spot value of 70 to 75 per cent. oil would be about 5s. to 5s. 6d. per lb.

GERANIUM.—Prices have to be negotiated.

GINGERGRASS.—Spot quotations are at approximately 25s. per lb. on spot.

GROUNDNUT.—Refined deodorised is officially priced at £40 per ton, naked ex works, in bulk.

LAVENDER.—Steady at the previously-quoted spot price of 85s. per lb. for good-quality.

LIME.—Steady to firm. Genuine West Indian distilled, if available, about 62s. 6d. per lb.; hand-pressed, about 72s. 6d. per lb.

PALMAROSA.—Spot price would be in the region of 35s. per lb.; shipment, approximately 25s. per lb., c.i.f.

PATCHOULI.—Spot values are nominal at about 60s. per lb.

PEPPERMINT.—In good inquiry, with business reported done in Chinese at 77s. 6d. per lb. and some holders asking 80s. A small business is noted in American at between 95s. and 110s. per lb., with holders reserving supplies for regular consumers.

PETITGRAIN.—Spot, if available, would be worth approximately 25s. per lb.

SANDALWOOD.—Genuine East Indian Mysore remains at 30s. per lb., for delivery in one-case lots. Australian would be at about 28s. 6d.

SASSAFRAS.—Spot supplies appear to be exhausted, and prices are nominal at about 17s. 6d. per lb.

THYME.—Medium-quality oil would be worth about 16s. per lb. on spot, but higher phenol-containing oils would be dearer.

WORMSEED.—Future supplies are likely to be imported under the Lease-Lend Act.

COMING EVENTS

Wednesday, March 18

BATH BRANCH, NATIONAL PHARMACEUTICAL UNION, Pump Room (smoking room), Bath, at 7.30 p.m. Mr. R. H. Kemp, Ph.C. (secretary, Chemists' Friends Association) on "The Meaning of the C.F. Agreement."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, NORTH BRITISH BRANCH, 36 York Place, Edinburgh, at 7 p.m. Dr. J. P. Todd with films on "The Processing of Human Blood Plasma" and "The Use of Lanette Wax SX and Cod Liver Oil in the Treatment of Burns"; Mr. K. F. Ashdown on "Free Gallic Acid in Bismuth Subgallate"; and Dr. J. J. Blackie: "Note on Rose-hip Syrup."

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Call-up of Pharmacists

SIR,—The Government must be forced by the Pharmaceutical Society and its members to appreciate the need for the preservation—intact, not “married”—of all pharmacies registered as such prior to the outbreak of war. It follows that qualified personnel required by law to supervise such pharmacies must be granted indefinite postponement of military service. Failure to do this will and must result in an inadequate pharmaceutical service.

Yours faithfully,
CYRIL PLAGERSON.

Bath.

A Modern Pharmaceutical Policy

SIR,—It was with profound indignation that I read the article entitled “A Modern Pharmaceutical Policy,” in the *C. & D.*, February 28, p. 254. To carry the simile one step further, I can only say that the final nail would certainly be driven into the pharmacist's coffin, were your contributor's policy adopted—rather I should say that the pharmacist would be dead and buried for all time. I was surprised—nay, rather dismayed—at the puerile attitude of a fellow hospital pharmacist towards the present pharmaceutical training. In my student days I also used to think that I was spending hours of needless study. My practical experience since then, however, has shown me its true value. I find that many of the problems put before me by the medical staff presuppose a thorough knowledge of physiology, bacteriology and other subjects which were termed unnecessary. From the article it would appear that all a hospital pharmacist need do is to stock the dispensary with preparations kindly provided by wholesale firms at a cost far above that at which the enterprising pharmacist can, in many instances, make identical products. One outstanding example is that, in the last year, I supplied (in a small hospital) 634 quart bottles of intravenous glucose saline solution. These cost me approximately 6d. per bottle to make, or £15 in the year, as against 3s. per bottle to purchase or £95 in the year. This, my friend, is not academic, merely economic! You may say that no particular skill is required in the manufacture of this preparation, but many more complicated examples could be quoted. Certainly I agree that

hospital pharmacy should be viewed in the light of present-day requirements. The art of pill-making, plaster-spreading, etc. may have fallen into disuse, but I still find ample scope for the application of my pharmaceutical knowledge in the preparation of emulsions, ointments, injections, suppositories and many B.P. galenicals. Further with the advent of chemotherapy, surely knowledge of advanced chemistry becomes more essential, unless one is content to be merely the greengrocer handing the goods over the counter.—Yours faithfully,

E. M. A., B.Pharm., Ph.C.

Prescribing by Token

SIR,—If the present shortage of paper becomes more acute one can imagine that it may be impossible to obtain sufficient to provide forms for the millions of prescriptions issued annually to insure persons. What are the authorities doing about that? Formulary mixtures comprise 50 per cent. of such orders. If the mixture in the N.W.F. were clearly numbered the counters, small cards, or tallies could be used bearing some sign such as “N.W.F. No. 17” to show the chemist which particular mixture the doctor wished to order. These tokens would be made of some material in good supply which would stand wear and handling: card, celluloid, cotton rag, or whatever the authorities decide upon. They could be issued to doctors by Insurance Committees, the doctor would give the appropriate tally to the patient for presentation to the chemist, who, after dispensing the mixture, would submit the tokens in batches to the pricing office for claim for payment. After that they would go back to the Insurance Committees and enter into circulation again. Prescribing by numbers is not an ideal method, but would demand strange expedients, and care around would minimise the risk of unfortunate errors.—Yours faithfully,

PAPYRUS.

Thanks for Help

MR. B. WARBURTON (chief pharmacist London Co-operative Society, Ltd.) writes asking us to place on record his sincere appreciation to firms and friends who have written expressing regret and sympathy over the fire which occurred recently at his premises.

Practical Hormone Therapy

by oral, intramuscular and
percutaneous administration

Androgenic

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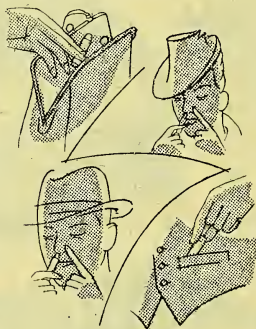
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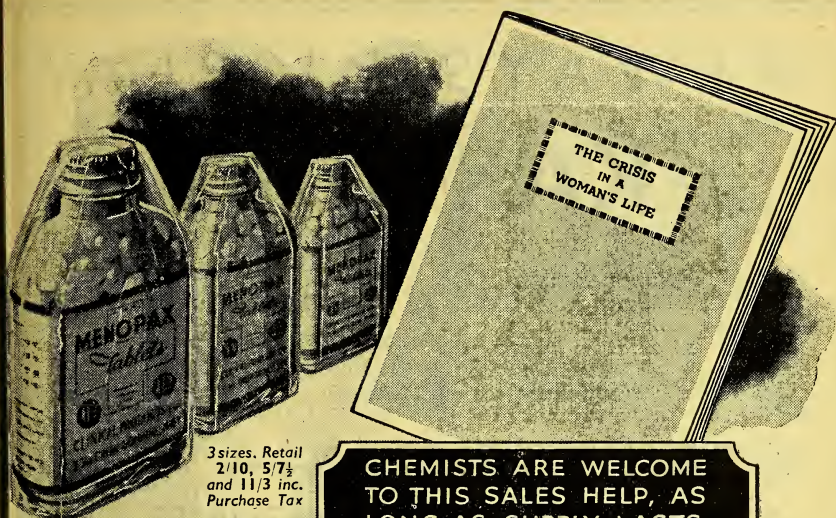
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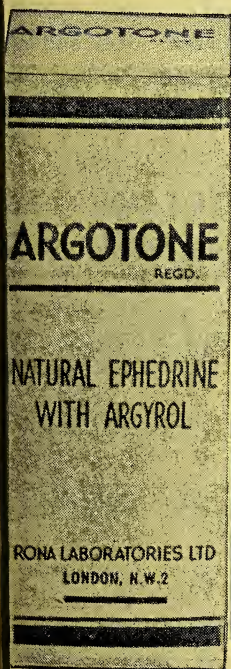
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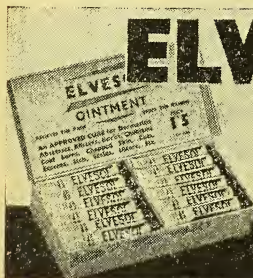
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This Supplement is inserted in every copy of The Chemist & Druggist

MARCH 14
1942

28 ESSEX STREET, LONDON, W.C.2

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APPOINTMENTS

CITY OF PLYMOUTH EDUCATION COMMITTEE

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A Full-time LECTURER (Man or Woman) in Pharmaceutical subjects required. Applicants must possess the Diploma of Pharmaceutical Chemist, and preferably be also Graduate in Pharmacy. Salary according to the Burnham Scale. Further particulars and form of application, to be returned by Wednesday, March 18th, 1942, may be obtained from the Education Offices, Cobourg Street, Plymouth.

ANDREW SCOTLAND, *Director of Education.*

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

None of the advertisements below relates to a woman between 20 and 30 years unless such woman has living with her a child of her own under the age of 14; or is registered under the Blind Persons Act; or has a Ministry of Labour permit to allow her to obtain employment by individual effort.

RETAIL (HOME)

BRADFORD. Male or female qualified Assistant required. Would suit elderly chemist. Good salary. Comfortable position. 399/636, London Office of this Paper.

CHORLTON CUM HARDY, MANCHESTER. Capable qualified Manager or Manageress required for good-class pharmacy. Good salary and conditions. 399/633, London Office of this Paper.

HEMSWORTH, YORKSHIRE. Capable qualified Manager or Manageress required for busy dispensing pharmacy. Good salary offered. 399/637, London Office of this Paper.

MARYPORT, CUMBERLAND. A vacancy will shortly arise for qualified Manager or Manageress of busy pharmacy. Good salary and conditions offered. 399/634, London Office of this Paper.

NEAR Leicester. Required Qualified gentleman, over age or otherwise exempt military service, Permanency or for duration as desired. Please state salary, references, etc. 399/629, London Office of this Paper.

NEWPORT, S. WALES. A vacancy will shortly arise for qualified Manager or Manageress of busy pharmacy. Good salary and conditions offered. 399/635, London Office of this Paper.

NEWPORT, Mon. Qualified lady or gentleman required, chiefly dispensing. Good help given, easy post and hours, would suit elderly, or slightly disabled person, permanency. Please state salary, etc., to Bert Dunn's, Ltd., Cardiff Road, Newport, Mon.

S. STAFFS. Qualified lady or gentleman (not liable for military service) either as locum for a considerable period or with view to permanency. Middle-class business, neutral area. Apply in first place, with references and salary required, and enclose photo if possible. Excellent house. Geo. Morris & Son, Market Place, Wednesbury.

ASSISTANT. Qualified preferred, Dispensing and Counter. Easy hours. Please state age and salary required. Apply, Crawford, Chemist, Horley, Surrey.

ASSISTANT required, either sex. Qualified or Unqualified. Reliable Dispenser, with pleasant counter manner. Permanency with good wages Other staff kept. Apply in confidence, giving the usual particulars to Nicoll, Chemist, High Street Bridgnorth, Salop.

LADY, qualified to manage branch pharmacy in Kings Langley, Herts. No Sunday duty; congenial hours. Apply, with full particulars as to experience, references, age, and wages required, to The Secretary, H. B. Figg, Ltd., Chemists, Berkhamsted, Herts.

MANAGERS for Greater London. There are vacancies in Bow, Dagenham, Tottenham Slough, Chelsea, Edmonton. Regular employment and good conditions. Apply by letter giving district preferred and salary required to Retail Staff Manager Taylors British Chemists, 70 Vauxhall Bridge Road, S.W.1.

MANAGERS. Vacancies will shortly exist for qualified Managers at Branches in Evesham Dorking, Bexhill, Worthing, Sudbury, Cowes Southampton. Good salaries and commission. Apply giving particulars of experience, salary required, etc. to Retail Drug Department, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London S.W.1.

PHARMACIST wanted March 30. Apply in writing stating age, married or single, experience in N.H.I. dispensing, references, salary required to Secretary, Friendly Societies' Medical Institute "Rulet," Kingsdown Avenue, Luton, Beds.

PHARMACIST—Lady. Salary £5 7s. South of City area. Apply Ten Acres & Stinchley Co-operative Society, Ltd., Stinchley, Birmingham, 30.

PHARMACY: Qualified and Unqualified Assistant required to replace employees who have been mobilised. Applicants should not be liable for military service, or under the national Employment Order. Apply in writing, stating age and experience to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, S.E.18 Endorse envelope "Pharmacy."

QUALIFIED Assistant required for West Riding, Yorks business. N.H.I., private dispensing 399/639, London Office of this Paper.

QUALIFIED Chemist (lady or gentleman) required immediately to manage business in N.E. London district. No Sunday duty. Apply to C. E. Thurlow 14 Ravenscraig Road, London, N.11. T.N. Ent. 1306

QUALIFIED Manager, either sex, required for Branch, April 7. Particulars of experience salary and references. Mercer's, Ltd., 265 Oldham Road, Rochdale, Lancs.

QUALIFIED Woman Pharmacist required as Assistant in busy shop, suburban London. Competent Dispenser essential. Permanent employment. Salary £5 10s. per week. 399/632, London Office of this Paper.

QUALIFIED Chemist (male or female) required as locum for branches—10 weeks, commencing June 1. Please state age, salary required, details of experience, etc., to Manager, Pharmacy Department Ipswich Industrial Co-operative Society, Ltd., 38 Car Street, Ipswich.

TAYLORS BRITISH CHEMISTS will shortly have vacancies for qualified Managers and Assistants, male or female, in Liverpool, Birkenhead Bradford, Houghton Le Springs, Leeds, Manchester Cumberland. Apply Retail Staff Dept., Burle Hill, Leeds.

QUALIFIED Assistant (male or female) required. Dispensing and counter. Permanency stable. State age, experience, salary required, then free, to Manager, Pharmacy Department, Industrial Co-operative Society, Ltd., 100, High Street, Ipswich.

QUALIFIED Assistant wanted, either sex. Good dispenser and all-round experience. Hours 6, no extra duty. Usual particulars to Sells, 25, Grosvenor Road, Tunbridge Wells.

WANTED. Hall qualified Male Dispenser or unqualified Male Assistant at once. Allen & Aldershot.

WANTED. Competent Assistant for good-class country business. No Sunday or Holiday duty. Age and salary required. H. Meynell, Tenterden.

WANTED. Qualified Superintendent (lady or gentleman) exempt. Permanency. Hours 9 a.m. to 5 p.m. No Sunday duty; full half-day weekly. Other assistants kept. Give age, salary and full particulars to Watkinson, Chemist, 40 Cambridge Tottenham, N.17. Phone: Tottenham 4464.

WHOLESALE

LEADING Manufacturing Company marketing nationally advertised Pharmaceutical and allied products require active Representative with extensive connexion amongst Chemists, Co-operative Stores and Departmental Stores in the following areas: (1) London and the Home Counties; (2) North and South Wales; (3) Yorkshire, Lancashire and North; (4) South Wales. Applicants must be able for personal interviews at London, Leeds, Manchester or Bristol. Existing accounts will be taken over. Salary, Expenses and Bonus with a year possibilities and promotion to executive level. Write stating age, details of trade connexion and experience to Sales Director. CDB/963, London Office of this Paper.

STANT required, male or female, exempt military service (qualified) in the analytical department of London manufacturing chemists. Must be experienced in pharmaceutical and chemical work of all types. Write giving full details and references. 399/638, London Office of this Paper.

STANT Works Chemist (S.W. Lincs.) wanted to take charge of bulk manufacture. Capable of managing staff and keeping accurate records. Knowledge of veterinary medicine an advantage. Applications (confidential) must give fullest details of experience, age, qualifications, references, salary. 399/642, London Office of this Paper.

SONS, LTD., Silverdale Works, Liverpool, 13, require one or two Representatives of quality and sales ability, to carry the George & Remedy Line amongst chemists, dog shops, etc. Apply with full particulars to the above address.

ICAL Assistant required for Manufacturing Chemists in Holborn; knowledge of invoicing, and typewriting and filing. Previous experience in shipping documents desirable but not essential. Write fully age, experience and salary. 399/628, London Office of this Paper.

RIENCED Granulator required for Medicine and Pill Department of Manufacturing Chemists near London. Must be exempt from military service. Apply giving details of age, experience, and references. CDB/965, London Office of this Paper.

Leading Ethical House require Analytical Chemist with B.Pharm. or B.Sc. degree, also with experience in Bacteriological Work. Apply with full particulars of qualifications, experience, etc., in strictest confidence to 399/623, London Office of this Paper.

MANUFACTURING Chemists require representatives for London, Home Counties, South-West England and Wales to sell advertised proprietaries to Chemists, Stores, etc. Only those with first-class sales ability and credentials need apply. Salary, expenses and commission paid. Please write in confidence, giving fullest particulars. 399/625, London Office of this Paper.

QUALIFIED Lady Chemist as Works Manageress. N.W. London Food Factory. 399/622, London Office of this Paper.

QUALIFIED Chemist as Superintendent of small private company. Progressive position. Permanency. Apply stating usual particulars, experience, wages, etc. 399/640, London Office of this Paper.

QUALIFIED Chemist required by Manufacturing Firm Works, Leicester, accustomed to the manufacturing of Disinfectant Fluids, Liquid Soap, Germicides, etc. Preferably over military age. Please give full particulars and experience. CDB/967, London Office of this Paper.

REPRESENTATIVES required for (1) Lancashire, Cheshire and North Wales; (2) North and North-East England. Salary, commission, expenses paid to right men used to marketing proprietary lines to chemists and allied trades. First-class credentials essential. All particulars in first instance. 399/624, London Office of this Paper.

REQUIRED Laboratory Assistant for manufacture of Manicure Preparations, etc. Exempt service. Unqualified retail chemist willing to learn would be suitable. 399/626, London Office of this Paper.

SMALL firm of Manufacturing Chemists with expanding business require services of qualified Woman Chemist over 40, to take charge of laboratory and assist in manufacture of ointment, suppositories, tablets, ampoules, etc., on wholesale scale. Must be fully experienced and not afraid of work. Write in detail stating also salary asked. 399/627, London Office of this Paper.

STOREKEEPER wanted for important firm of Chemical Manufacturers near London. Must be man of high integrity and prepared to enter into fidelity bond. Applicants should be either chemists or possess a working knowledge of chemical trade. Good remuneration and prospects. Write in confidence stating age, experience and salary required. Box 464, Smiths', 100 Fleet Street, E.C.4.

TIMOTHY WHITES & TAYLORS require qualified Pharmacist (male or female) for work in the D.D.A. and Poisons Dept. in the Leeds warehouse. Male applicants should be exempt from military service. Apply "Pharmacist," Burley Hill, Leeds.

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GLASGOW.—For immediate sale (health reasons), small sound chemist's business in populous residential area. Particulars from Dixon, Erskine & Co., Solicitors, 117 Douglas Street, Glasgow.

NORWICH.—We have instructions to dispose of the late Mr. Parr's business at Prince of Wales Road. Turnover last year, £1,795. Scope under energetic proprietor. Corner lock-up shop; stock worth £425. Further details from sole agents, Berdoe & Fish, 41 Argyle Square, London, W.C.1.

BUSINESS OPPORTUNITIES

A GOOD trade Packer, with facilities for filling and labelling minimum 100-150 gross weekly, of liquid food preparation in small bottles, can secure an initial contract at once for the work covering 2,000 gross up. Apply 399/631, London Office of this Paper.

TABLET Manufacturers are in a position to accept Contracts or Sub-Contracts for tableting (including Saccharin) in large or small quantities. Packing facilities also available and prompt delivery assured. CDB/955, London Office of this Paper.

WANTED*7/6 for 36 words or less, 2d. for every additional word.*

ADVERTISER wholesaler wishes to contact registered manufacturer of face powder, bath crystals, perfumes, nail varnish. Also requires $\frac{1}{2}$ -oz. to 16-oz. jars, and bottles suitable haircream, brillantine, nail varnish, etc. 398/604, London Office of this Paper.

ASPIRIN powder, crystals, or granules, B.P. required. Also phenolphthalein, in large or small quantities for cash. Write or telephone J. Brummer, 26 Fairhold Road, N.16. (Sta. 3177.)

ASPIRIN and Saccharin, any quantities for cash; also Filling Machine. Harringtons, 2 Berridge Green, Edgware, Middlesex. Edg. 3610.

OILS or Fats and Glycerine, also Block Stearine wanted. Box 56, Pool's, Brettenham House, Lancaster Place, W.C.2.

POWDERED Henna, White Beeswax, Stearic Acid, Liquid Paraffin, Refined Nut Oil. Any quantity, good prices paid. Replies to "Chemist," 42 Northfield Terrace, Leeds, 7.

SECOND-HAND Emulsifier required, $\frac{1}{2}$ horse motor, 240 A.C. Particulars and price. CDB/964, London Office of this Paper.

WANTED. Technical Oil, Thin, Odourless, Colourless, Liquid Soap (Shampoo), state Perfumes. Offers to BCM/NWD, London, W.C.1.

WANTED by England's largest photographic dealers, All Miniature Cameras, extra lenses and accessories, Rolleiflex, Leica, Contax, Ikontas, etc.; also Microscopes and Cine Projectors. Highest prices guaranteed. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

AGENCIES*7/6 for 36 words or less, 2d. for every additional word.*

ESTABLISHED company marketing several well-known products are open to consider handling two or three further products, either proprietary articles or drugs. Write in first instance to CDB/960, London Office of this Paper.

FOR SALE (Retailers' Surplus)*7/6 for 36 words or less, 2d. for every additional word.*

MENTHOL. Quantity of Recovered. A. Henshaw, M.P.S., Wyke Regis, Dorset.

1 CWT. AIRTIGHT TINS IN CASES. Use once for packing Milk Powder. Fully sealed with circular press-in lid, all free from rust. Cases slightly soiled externally. Apply CD London Office of this Paper.

SOFT Soap, amber, odourless, made with vegetable oils, 50s. cwt.; 26s. $\frac{1}{2}$ cwt. Fr drums, cash with order; immediate delivery samples sent out. Shortage labour, packing made. Ambrose, 7 Denmark Road, Reading, Berks.

WE sell or exchange second-hand Albrow four oz. liquid filling machine for an automatic one to four oz. powder filling machine. 399/631, London Office of this Paper.

MISCELLANEOUS SALES*12/6 for 60 words or less, 1/- each additional 10 words*

SECOND-HAND Microscopes. A large selection of instruments for all purposes, best makers; less condition; 3d. stamp for List. Chards, Sons, Forest Hill, London, S.E.23.

FIVE-GRAIN Sodium Bicarbonate Tablets quantity for sale, immediate delivery. E. price, 2s. 6d. per thousand; minimum 5,000; 20,000; 1s. 9d. 100,000; counter-offer for quantities. Write Jacobs, 26 Grosvenor Gardens, London, N.W.11.

FRAGRANT TONIC HAIR CREAM.—Make hair behave. Smart gold seal labels with wording. 6s. per gross. Formula 20s.—Make grade hair cream—easy to prepare—costs less 1d. per ounce. All materials available. Ample B.P. castor oil, agar agar, gum tragacanth, perfuming wax, bees-wax, ceresine wax, spermaceti, screw caps, corks. Send for List. Cash with Order. British Commercial Chemical Supplies, 347 Royal College Street, London, N.

EDUCATIONAL

FOR Personal Practical Tuition and Correspondence Tuition in Optics and Sight Testing, etc. Apply C. V. BOLTO F.S.M.C., F.I.O., 1 LORD STREET LEIGH, LANCs. Tel.: 527.

SITUATIONS WANTED*2/6 for 18 words or less, 1d. for every additional word.*

None of the advertisements below relates to a woman below 30 years unless such woman has living with her a child of her own age of 14; or is registered under the Blind Persons Act; Ministry of Labour permit to allow her to obtain employment by effort.

WHOLESALE

LADY Traveller, 31, good connexion with chemists in Surrey and Hampshire war-time post with reputable house. Drug proprietaries or perfumery. 399/620, London Office of this Paper.

MEDICAL Representative. Twenty years' experience ethical propaganda. London West and Provinces. Exempt military service; 1 references. CDB/966, London Office of this Paper.



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One matter for congratulation about the Battle of the Atlantic—shipping space is not being needed for vital chemicals to the extent it was in 1914. There's a British Chemical Industry now!

Even so, our days are not free from difficulties. While the war may put restrictions on our production capacity, so far as possible our output is placed at the disposal of our regular customers, in an endeavour to fill not only their regular, but also their additional orders.

Next, we do our best, as production permits, to serve new customers. Thus, our whole output is promptly available for sale at the lowest economic level.

With such calls upon us, we may not be able to meet all requirements; but understanding our policy, you will appreciate that any shortcomings arise from factors outside our control.

To-day, these calls upon us may not all be capable of fulfilment. But we believe our policy is fair. We feel sure that you appreciate this if, in spite of our efforts, we cannot meet your full requirements.

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